

SMOKE SIGNALS

For Radio Amateurs • By Radio Amateurs

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NO9M Tops FLARC's Flock in 1994 Wisconsin QSO Party



Dave Rece, NO9M, of Stoughton, topped the list of club aggregate scores for the Four Lakes Amateur Radio Club of Madison with just over 36,000 points from the station above. Smilin' Dave hails originally from Kentucky. He put some extra effort in this year's WQP, and that effort paid off.

- Photo courtesy of Dave Rece/NO9M

It's Law in New Hampshire

New Hampshire House Bill 1380, recently signed into law by Governor Steve Merrill, exempts from real estate property taxes "radio towers, antennas, and related or supporting structures used exclusively in the operation of an amateur communications station under Federal Communications Commission Amateur Radio Service rules and regulations."

ARRL Counsel Chris Imlay, N3AKD, called the bill "an important precedent," saying that it may have far reaching effects throughout the US as amateurs continue to seek relief from local and state regulation.

ARRL New Hampshire section manager Al Shuman, N1FIK, who played a key role in the passage of the bill, largely credits ARRL New Hampshire State Government Liaison (and representative in the state legislature) Ralph Rosen, W1-HSB, and a team of ARRL field organization volunteers, who testified numerous times before both house and senate committees.

- ARRL Bulletin ARLB042, 5/9/94

COMPLEX AMATEUR RADIO-CARRIED BALLOON FLIGHT SCHEDULED

Details are on page 7 of this issue.

In This Issue

OFFICIAL RESULTS

1994 Wisconsin QSO Party

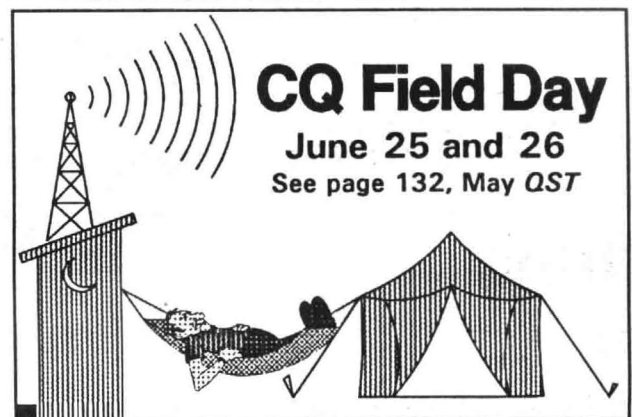
See pages 8 through 12 of this issue

Sponsored by the West Allis Radio Amateur Club



ELMER

By Rich Regent, K9GDF



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WHAT'S HAPPENING

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EDITED BY KENNETH A. EBNETER, K9EN, 822 WAUONA TRAIL, PORTAGE, WI 53901

Swapfests and Other Social Events

SUNDAY, JUNE 12, 1994. Central Wisconsin Radio Amateurs (CWRA) is holding their 17th annual swapfest at the University Center on the University of Wisconsin-Stevens Point campus in Stevens Point, WI. The facility features plenty of well lit, air conditioned space with food and rest rooms on site. Parking is free, and the site is accessible to the handicapped. Tables and Electrical power (limited number of outlets) will be available. Groups and clubs dedicated to Amateur Radio are invited to request space for meetings, reunions, educational seminars, demonstrations, or other ham-related activities. Facilities will be assigned on a first-come, first-served basis. Doors open to the public at 8:00 a.m. with shutdown at 1:30 p.m. ARRL/VEC testing. Contact Art Wysocki, N9BCA, CWRA Swapfest Chairman, 3356 April Lane, Stevens Point, WI 54481. (715) 344-2984.

SATURDAY, JULY 9, 1994. South Milwaukee ARC Swapfest. Contact PO Box 102, South Milwaukee, WI 53172. (See also ad elsewhere this issue with details and map)

SATURDAY, JULY 23, 1994. Eau Claire Hamfest and Computer Expo 94. The very popular Eau Claire Hamfest will be held again at the Chippewa County Fairgrounds on July 23 from 7:30 AM to 2:00 PM. Tailgating, Tables, Testing, (Friday and Saturday, all classes), Tickets \$4.00. Contact: Carol Ceraso 2432 Shafer Road Chippewa Falls, WI 54729 715-723-9205

SUNDAY, JULY 24, 1994. Dupage ARC Hamfest. AT the Hawthorne Race Course, 3500 South Cicero Ave., Stickney, IL. Contact DARC, Hamfest 94, 7511 Walnut Ave., Woodridge, IL 60517.

SUNDAY, JULY 31, 1994 The 2nd annual Racine

Hamfest. 8am-2pm. Same great location: South Hills Country Club on East Frontage Rd. along-side I-94. EZ access the site is located between Hwys 20 and K in Racine County. for more information contact Dave, WB9USI at (414) 554-7565 or write to the RMC, P.O. BOX 3, Racine, WI. 53401

SUNDAY, AUGUST 14, 1994. Summerfest '94 at 500 "J" Street S.W., Cedar Rapids, IA 52404. Contact: Wayne Harray, KEOMS (319) 848 7481.

SATURDAY, AUGUST 27, 1994. Northwoods Amateur Radio Swapfest, at Sugar Camp Town Hall, 12 miles north of Rhinelander, WI on Highway 17. Contact: Mary Berger, NS9Q, 367 Lois St., Rhinelander, WI 54501. (715) 362-9296.

AUGUST 28, 1994. Woodstock, IL, Mc Henry county fairgrounds, Route 47 just north of route 14. Contact TCRG, PO box 3107, Skokie, IL 607-7106.

SUNDAY, SEPTEMBER 11, 1994. RADIOFEST Hamfest & Computer Expo, at the Tri-State Blind Society, 3333 Asbury Rd., Dubuque, IA. Contact: Gerald lange, 2191 Graham Circle, Dubuque, IA 52002 (319) 556-3050 or Loren Heber, NOYHZ, 9479 Lauderville Rd., Dubuque, IA 52003. (319) 556-5755.

SEPTEMBER 17-18, 1994. SUPERFEST, Peoria, IL. Contact: Peoria Area ARC., PO Box 3508, Peoria, IL 61612-3508. (309) 685-6698.

SEPTEMBER 24-25, 1994. RADIO EXPO. Lake County Illinois Fairgrounds, RTs. 45 & 120, Grays lake, IL. Contact: Chiocago FM Club, PO Box 1532, Evanston, IL 60204.

SUNDAY, OCTOBER 23, 1994. KMRA Swapfest, Waukesha, WI.

SATURDAY, NOVEMBER 5, 1994. The Milwaukee Repeater Club is proud to sponsor the 10th annual "6.91" Friendly Fest" from 8:00 a.m. to noon. (sellers admitted at 7:00 a.m.) NEW LOCATION: Waukesha County Expo Center Arena. VE testing. Contact Milwaukee Repeater Club, Inc., PO box 2123, Milwaukee, WI 53201.

NOVEMBER 19-20. Fort Wayne Hamfest, Allen

County War Memorial Coliseum Exposition Center. Contact: ACARTS, PO Box 10342, Fort Wayne, IN 46851.

SUNDAY, JANUARY 8, 1995. Midwinter Swapfest sponsored by the West Allis RAC. Contact WARAC, PO Box 1072, Milwaukee, WI 53201.

TUESDAY, FEBRUARY 28, 1995. Northern Wisconsin Radio Club Auction. Contact: Steve Hart, KA9OMC, Route 1, Box 54, Knapp, WI 54749.

SUNDAY, APRIL 2, 1995. Madison Swapfest. Contact: MARA, PO Box 8890, Madison, WI 53708-8890.

SATURDAY, MAY 13, 1995. Lakeshore Hamfest. Contact: ManCoRad. PO Box 204, Manitowoc, WI 54221-0204.

See also the back page and flyer ads for additional information on many of these events.

Club Meetings



Due to space limitations, we cannot always carry the full listing of Wisconsin and area club meetings. Please see the March 1994 meetings column for the latest complete listing. The following are additions or changes since that listing.

THE WINNEBAGO AMATEUR RADIO CLUB

(Formerly the Oshkosh Amateur Radio Club)

The Winnebago ARC welcomes all Amateurs and interested persons to join us at the Omro City Hall, on Webster Street. Meetings held the third Sunday each month, weather permitting. Talk in on 147.24 repeater.

For further information, contact KB9IME, Dan Lenz, at (414) 233-7145.

MILWAUKEE RADIO AMATEURS CLUB

Last Thursday evening, Wauwatosa Savings and Loan (lower level) at 7500 W. State St. in Wauwatosa. Meetings begin at 7:30 pm 12 months of the year.

QCWA WISCONSIN CHAPTER 55

Spring/Summer meeting, Saturday, June 4, 1994, Hilbert, WI. Chicken, Tips, Fish and Dessert, \$11.95. Guests are welcome. A meeting and auction will follow. Bring that wonderful junk that others now need. Program: Mike Peters trip to Corsica. W9KKM and KN9P are challenging any and all to a golf match prior to the meeting. Contact KN9P for information. Please notify W9OP or KN9P on the 0830 local Sunday QCWA net, or call W9OP for additions or questions. (414) 722-4043.

The Test Point



**Amateur Radio Examination Locations
and Schedules in the Wisconsin Area**

The following are known locations where Amateur Radio license examinations are scheduled in the Badger State area.

June 4, 1994	River Falls, WI
June 11, 1994	Marshfield, WI
June 11, 1994	Appleton, WI
June 11, 1994	Madison, WI
June 12, 1994	Stevens Point, WI (CWRA Swapfest)
June 15, 1994	West Allis, WI (MRAC)
June 18, 1994	Tomahawk, WI

Badger State Smoke Signals

**Amateur Radio
Education and Information**

CHAIRMAN: Kenneth A. Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901. Telephone (608) 742-3560.

EDITOR: Jim Romelfanger, K9ZZ, 412 1/2 Ash Street, Baraboo, WI 53913. Telephone (608) 356-4031.

TREASURER: Jim Decker, WB9UQT, P.O. Box 337, Baraboo, WI 53913-0337.

CONTRIBUTING AUTHOR: Richard R. Regent, K9GDF, 5003 South 26th Street, Milwaukee, WI 53221.

Subscriptions

1 year	(12 issues)	\$9.75
2 years	(24 issues)	\$18.00
3 years	(36 issues)	\$26.00

Special club package reduced rates are available. For information, contact Ken Ebnetter, K9EN.

When to Send It

The closing date for each issue is the first of the month for the next month's issue. For example, the closing date for the June issue is May 1.

The only exception is for participating clubs. Participating clubs are requested to send their material no later than FIVE DAYS after the club's meeting. For example, if a club meets on the 4th of the month, the

material should be sent no later than the 9th of that month. This material is to be sent to the Editor.

Where to Send It

Address changes and corrections should be sent to Ken Ebnetter.

Editorial material, photographs, feature articles, display ads, and exchange papers should be sent to Jim Romelfanger.

Inquiries about advertising should be directed to Ken Ebnetter.

Swapfest information should be sent to Ken Ebnetter. Swapfest ads should be sent to Jim Romelfanger.

Subscriptions should be sent, with check or money order, to Jim Decker.

Conditions for Reprinting or BBS Posting Material from Badger State Smoke Signals

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Editorial Disclaimer

The opinions expressed in editorials, guest editorials, columns, articles, and letters from readers are the opinions of the authors only, and do not, unless otherwise stated, express or imply endorsement by *Badger State Smoke Signals*, or by any other individual or organization.

June 25, 1994 Wauwatosa, WI MRAC)
 July 9, 1994 Madison, WI
 July 9, 1994 South Milwaukee, WI (SMARC Hamfest)
 July 20, 1994 West Allis, WI (MRAC)
 July 22, 1994 Eau Claire, WI (ECARC Hamfest)
 July 23, 1994 Eau Claire, WI (ECARC Hamfest)
 July 30, 1994 Wauwatosa, WI MRAC)
 July 30, 1994 Tomahawk, WI
 August 6, 1994 River Falls, WI
 August 13, 1994 Madison, WI
 August 17, 1994 West Allis, WI (MRAC)
 August 20, 1994 Dubuque, IA
 August 27, 1994 Wauwatosa, WI MRAC)
 September 10, 1994 Marshfield, WI
 September 10, 1994 Madison, WI
 September 10, 1994 Oak Creek, WI (MRAC)
 September 17, 1994 Milwaukee, WI (BE)
 September 17, 1994 Appleton, WI
 September 21, 1994 West Allis, WI (MRAC)
 September 24, 1994 Wauwatosa, WI MRAC)
 October 1, 1994 River Falls, WI
 October 8, 1994 Madison, WI
 October 8, 1994 Oak Creek, WI (MRAC)
 October 15, 1994 Milwaukee, WI (BE)
 October 19, 1994 West Allis, WI (MRAC)
 October 29, 1994 Wauwatosa, WI MRAC)
 October 29, 1994 Marinette, WI
 November 5, 1994 Menomonie, WI
 November 6, 1994 Kaukauna, WI (Hamfest)
 November 12, 1994 Madison, WI
 November 12, 1994 Oak Creek, WI (MRAC)
 November 16, 1994 West Allis, WI (MRAC)
 November 19, 1994 Milwaukee, WI (BE)
 November 19, 1994 Dubuque, IA
 November 26, 1994 Wauwatosa, WI MRAC)
 December 3, 1994 Stevens Point, WI
 December 3, 1994 River Falls, WI
 December 10, 1994 Marshfield, WI
 December 10, 1994 Madison, WI
 December 17, 1994 Milwaukee, WI (BE)
 December 21, 1994 West Allis, WI (MRAC)
 Monthly, 1st Sat. Racine, WI (except January, July & August)
 Monthly, 2nd Sat. Madison, WI
 Monthly, 2nd Sat. Oak Creek, WI (SWAT/MRAC) (except June, July & August)
 Monthly, 3rd Wed. West Allis, WI (MRAC)
 Monthly, 3rd Sat. Loves Park, IL
 Monthly, Last Sat. Wauwatosa, WI (MRAC) (except December)
 Monthly, Last Sat. Tomahawk, WI (January thru October only)
 Quarterly Marshfield, WI (Second Saturday every third month.)

Many Swapfests/Hamfests offer exam sessions. If not shown above contact the sponsoring club in the Swapfest column on page 2.

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE to the VEC. A copy of your license must be attached to your FCC form 610. You will also be required to have a photo ID, or other acceptable identification.

GENERAL RULES

FOR MOST EXAMINATIONS:

Be sure to check with sponsors in the event there are changes and/or errors in the dates or information given.

Most examinations require filing an FCC Form 610 and advance registration at least 30 days before the exam date. (Some VECs permit walk-ins. Check with sponsor.)

To register, you must first secure a copy of the current FCC Form 610 and fill it out completely (AND CORRECTLY). Get your form from an FCC Field Office, the ARRL or Badger State Smoke Signals. Send a 29¢ SASE if you request one from the ARRL or BSSS. In most cases, forms can also be obtained from the sponsoring group.

ARRL/VEC examinations require a check for \$5.75 payable to "ARRL/VEC".

The FCC now requires applicants to show their ORIGINAL AMATEUR LICENSE or CSCE to the VEC. You must also have two good copies of your license or CSCE. A copy of your license or CSCE must be attached to your FCC form 610 and most VEC want a copy for their records. You will also be required to have a photo ID, or other acceptable identification.

Technician class licensees must show proof of testing before March 21, 1987, in order to upgrade to General with a code test only. Additional information is given below.

MILWAUKEE RADIO AMATEURS' CLUB (MRAC/VEC) OAK CREEK, WI (SWAT -MRAC/VEC)

SECOND SATURDAY DATES: 1:00 p.m. at Wauwatosa Savings and Loan Branch, 6560 S. 27th St., Oak Creek, WI. (MRAC/VEC fee \$5.00)

THIRD WEDNESDAY DATES: At 6:30 p.m. at Park Manor, 3023 S 84th St., West Allis, WI.

LAST SATURDAY DATES (except December): 8:30 a.m. at 7500 W. State St., Wauwatosa S&L, lower level, Wauwatosa, WI.

For Additional Information Contact; Jack Krause, (414) 774-6999 or call (414) 466-HAMS (Answering Machine) or write MRAC, 1737 N. 116th St., Wauwatosa, WI 53226.

Bring along your ORIGINAL license, CSCE and two (2) good quality photocopies, plus two forms of identification, such a driver's license, etc. Also required is \$5.00 for the exam fee. WALK-INS are welcome. To register in advance, use a post card: print the grade of license you are applying for, and your name, address, and telephone number. Send the card to MRAC/VEC, c/o Jack Krause, W9JK, or Les Peterson, W9YCV at the addresses shown above.

BADGER EXAMINERS (BE) - MILWAUKEE

Unless otherwise noted, examinations are administered beginning at 9:00 a.m. to Noon, at WMVS-TV studios, MATC Downtown campus in the C building. The address is 1036 N. 8th Street, Milwaukee. Enter at the Nowth West entrance of C Building. Walk-ins are welcome. To register in advance, send a post card with your name, test or tests you wish to take, date you wish to take., your call sign, address and telephone number to Badger Examiners, Gary J. Sharbuno, WI9M, 5119 W. Willow Rd., Brown Deer, WI 53223. Telephone (414) 355-0237.

Also available now will be FCC General Radio Telephone Commercial exams. Fees are \$5.75 for the Amateur Radio exams and \$35.00 for the commercial exams.

MADISON, WI

VE exams are held in Madison every second Saturday morning (September through May) of the month at 8 a.m. They are held at the operations building of the Madison Metropolitan Sewerage District at 1610 Moorland Rd. To get there take the Beltline (Hwy 12 & 18) to South Towne Drive. Go south 8/10 mile till South Towne Drive makes a bend and becomes Moorland Rd. and enter at gate.

You should bring a picture ID, your original licence and a copy of your licence. For exams beyond the novice tests, bring a check for \$5.75, made out to the ARRL/VEC. If the special 610 form with the medical exemption is required, contact me beforehand to obtain one. No appointments are necessary to take exams. For further questions, please leave a message on the mailbox or phone me at (608) 832-6631.

Mark Jenks, N29B

EAU CLAIRE, WISCONSIN

July 22 & 23, 1994 at the ECARC Hamfest, Northern Wisconsin State Fairgrounds, Chippewa Falls, WI.

RACINE, WISCONSIN - ARRL/VEC

Monthly - first Saturday, except January, July, and August.

Monthly exams are given 9:00 to 11:00 a.m. at the Red Cross Building, 4521 Taylor Avenue, Racine. Walk-ins are permitted.

Inquiries and registrations should be directed to William Firchow, Jr., NW9P, 1912 27th Street, Kenosha, WI 53140, telephone (414) 658-8390.

TOMAHAWK, WI

Last Saturday of every month. Jan. thru Oct.

Tomahawk Volunteer Examiners (ARRL/VEC). Tomahawk, WI. No preregistration required, but appointment would be appreciated. Registration at 8:30 a.m. and testings starts at 9:00 a.m. For location or other information, inquire on 145.43 MHz. repeater or contact: Greg Garner, WA9W, 4088 Highway 51, Harshaw, WI 54529. Telephone (715) 453-7096.

STEVENS POINT, WI
 Contact: Joe Larson, N9JW. (715) 344-1182.

APPLETON, WI - ARRL/VEC MANITOWOC, WI (HAMFEST) KAUKAUNA, WI (HAMFEST)

Conducted by the Fox Cities ARC VE team. All test session in Appleton are held at James Madison Jr. High, 2020 S. Carpenter Street. Candidates check in between 8 and 9 a.m. with testing starting at 9 a.m. No walk-ins after 9 a.m. Contact George R. Croy, W9MDP, 2113 Twin Willows Drive, Appleton, WI 54914. (414) 730-0967.

MENOMONIE, WI

The Northern Wisconsin RC will be sponsoring exams from 9:00 to 11:30 a.m. at the UW Stout Communication Center, 820 South Broadway, Menomonie, WI. Use the north entrance. Walk-ins only. Contact Jim Ley, NX9F. Work: (715) 232-1397, Home: (715) 235-3998.

RIVER FALLS, WI

Exams are held in the church basement, at the United Methodist Church, 127 South 2nd St., River Falls, WI. Contact: Chuck Kelly, KA9YRV, (715) 425-2428.

MARSHFIELD, WI (ARRL/VEC)

Sponsored by the Marshfield Area ARS. Held at St. Joseph Hospital, 611 St. Joseph Ave., in the 1 West classroom located adjacent to the Westwood Cafeteria on the main floor of the hospital. Use the main entrance or any other entrance and follow the signs to the cafeteria. Registration starts at 8:30 a.m. with testing starting at 9:00 a.m. Talk in on the 147.18 Marshfield repeater. Walk-ins welcome. Contact: Walter Friant, WBOKIN, 2310 Wallonie Drive, Marshfield, WI 54449 (715) 387-3870.

GREEN BAY, WI (ARRL/VEC)

Contact N9NOF, Keith Summers, 918 Bluebird St., De Pere, WI 54115. (414) 336-6087, after 4:00 p.m.

OSHKOSH, WI

Winnebago County ARC, Oshkosh Armory, 1415 Armory Place. Registration at 8:00 a.m. with testing at 9:00 a.m. Contact AA9BA, (414) 685-5018 or KB9IME, (414) 233-7158.

KAUKAUNA, WI - SWAPFEST
 MANITOWOC, WI, LAKESHORE HAMFEST
 RACINE, WI - BIG BOY TOY SHOW
 RHINELANDER, WI - NWARC SWAPFEST
 STEVENS POINT, WI - CWRA SWAPFEST
 WAUKESHA, WI - KMRA SWAPFEST
 WAUKESHA, WI - MIDWINTER SWAPFEST
 EAU CLAIRE, WI - ECARC HAMFEST
 SOUTH MILWAUKEE, WI - SMARC HAMFEST
 CEDARBURG, WI - ORC HAMFEST
 ROCKFORD, IL - RARC HAMFEST

See the Swapfest column for additional information and contact persons.

GREAT RIVER AMATEUR RADIO CLUB DUBUQUE, IOWA - ARRL/VEC

Amateur examinations will be held on Aug, 20 and Nov, 19 in 1994.

The Great River Amateur Radio Club VEs are now field stocked, which means retests can be given immediately.

Exams are held at 9:00 am at the Central Fire Station, 9th and Central in Dubuque. Use the basement entrance on 9th street. For more info, contact Carl Clark, NOKAX, 145 Delicia Drive, Dubuque, IA 52001. Or call Carl at 319-557-9149. Talk-ins are on the 147.84/24, 147.63/03 and 146.295/895 repeaters.

Contact: Arthur A. Evans, KA9KLZ, 213 N Jefferson St., Cuba City, WI 53807-1558, (608) 744-2704

LOVES PARK, IL

Third Saturday of every month. Northern Illinois Volunteer Examiners (W5YI VEC). Held at North Suburban District Library, 6340 North Second St. (Hwy. 251), Loves Park, IL. Contact: Dennis G. Eksten, W9SS, (815) 877-6768.

Most footprints on the sands of time are made with work shoes.

Caroline Schoeder, The Elmwood Argus.

Wisconsin Nets Association Ltd.

Art Evans, KA9KLZ, Secretary • 213 North Jefferson • Cuba City, WI 53807

Section Manager's Notes



Richard R. Regent, K9GDF
5003 South 26th Street
Milwaukee, WI 53221

July 9 the South Milwaukee ARC Swapfest will be at the American Legion Park in Oak Creek; July 23 the Eau Claire ARC Swapfest is at Chippewa Falls Fairgrounds with exams; July 31 Racine Hamfest at South Hills Country Club.

The St. Croix Valley RA with 31 members will soon be ARRL affiliated according to KB9BTB.

Green Bay Mike and Key Club renewed as SSC.

Both K9FHI and his XYL KA9BAC passed their Amateur Extra license exams.

W9CBE awarded PSHR certificate.

N9NCT is new Assistant EC of Outagamie County.

Wisconsin has 9,246 licensees and 2,460 full ARRL members; please let your friends know about ARRL membership values and encourage them to join.

Rock River RC may have fox hunt in place of July 5 meeting.

Milwaukee RAC Ham Breakfast is a great success, held 8:30 Saturday mornings at Maxim's Restaurant at 91st and Appleton.

Would you like to be an Official Bulletin Sta-

Wisconsin Nets

Net	WNA	Freq.	UTC	CDT	Mgr.
BWN	Yes	3985	1100	0600	W9AYK
BEN	Yes	3985	1700	1200	KE9VU
WSBN	Yes	3985	2230	1730	K9UTQ
WNN	Yes	3723	2300	1800	KA9FVX
WSSN	Yes	3645	2330	1830	N9BDL
WIN/E	Yes	3662	0000	1900	WB9ICH
WIN/L	Yes	3662	0300	2200	W9NGP
NWTN	Yes	34/94	2330	1830	NS9Q
(Rhinelander area)					
RCRA	No	01/61	2330	1830	KA9OMC
(Mondays CST) (Menomonie Area)					
Gr. Bay	No	72/12	0145	2045	WB9NRK
(Green Bay Area)					
ARES	No	4.65/5.25	0100	2000	
(South East/South Central Wisconsin)					
RACES	No	3993.5	1300	0800	WA9OAY
(LSB Sunday)					

tion? Contact our Bulletin Manager WB9JSW in Oshkosh for details and application.

New Training Guide for the Amateur Auxiliary to the FCC Field Operations Bureau is free to you if you would like to become an Official Observer and help monitor Amateur Radio; contact N9CAP of Milwaukee for details.

Exams: July 9 Madison, Oak Creek and South Milwaukee, July 20 West Allis, July 30 Wauwatosa and Tomahawk.

Thought of the month: *When I'm right no one remembers, when I'm wrong no one forgets.* □

New Communications Pact Links ARRL Volunteers and American Red Cross

On April 1, 1994, the American Radio Relay League (ARRL) and the American National Red Cross signed a new Statement of Understanding, to lay out how Amateur Radio volunteers - including members of the Amateur Radio Emergency Service (ARES) and the ARRL National Traffic System (NTS) - can assist the Red Cross in disaster communication.

The League and the Red Cross have had such agreements since 1940; the new agreement replaces one in effect since 1974, and defines "disasters," acknowledging the Red Cross's recognition of the volunteer ARRL field organization for its "emergency communications readiness," acknowledges the ARRL's recognition of the Red Cross, and specifies the ways in which the two organizations will cooperate.

According to ARRL Field Services Manager Rick Palm, K1CE, the new agreement differs from earlier agreements in two major ways. It promotes closer working relations between ARRL ARES and NTS volunteers and the Red Cross on the local level, and it calls for the development of specific guidelines for the handling of health-and-welfare traffic and inquiries during and after disasters.

The agreement was signed in Washington, D.C. by ARRL President George S. Wilson III, W4OYI, and American Red Cross Senior Vice President William H. Reno.

- The ARRL Letter, 4/26/94

New Message-Forwarding Rules Begin June 1

The FCC on April 13 released its Report and Order in PR Docket 93-85, regarding messages relayed by amateur high speed networks. The new rules, effective June 1, 1994, will establish what the FCC calls "a compliance policy for amateur stations participating in automatic message-forwarding systems."

The new rules relieve most station operators in such networks of responsibility for the content of messages relayed by their stations. Under current rules, all licensees in a chain of forwarding stations are responsible for message content.

Originators of messages continue to be responsible for their content, and the first forwarding stations are responsible either for the content of the message or for verifying the identity of the originator.

The new rules also will relieve repeater control operators of responsibility for inadvertent retransmission of communications that violate the rules. All operators remain responsible for discontinuing communications that violate the rules as soon as they become aware of their presence.

Here are the exact wording changes in FCC Part 97:

97.3 Definitions.

(7) *Auxiliary stations.* An amateur station, other than in a message forwarding system, that is transmitting communications point-to-point within a system of cooperating amateur stations.

(28) *Message forwarding system.* A group of

amateur stations participating in a voluntary, cooperative, interactive arrangement where communications are sent from the control operator of an originating station to the control operator of one or more destination stations by one or more forwarding stations.

(36) *Repeaters.* An amateur station that simultaneously retransmits the transmission of another amateur station on a different channel or channels.

97.109 Station control.

(e) No station may be automatically controlled while transmitting third party communications, except a station participating as a forwarding station in a message forwarding system.

97.205 Repeater station.

(g) The control operator of a repeater that retransmits inadvertently communications that violate the rules in this Part is not accountable for the violative communications.

97.129 Message forwarding system.

[Section 97.216 is redesignated Section 97.217]

(a) Any amateur station may participate in a message forwarding system, subject to the privileges of the class of operator license held.

(b) For stations participating in a message

forwarding system, the control operator of the station originating a message is primarily accountable for any violation of the rules in this Part contained in the message.

(c) Except as noted in paragraph (d) of this section, for stations participating in a message forwarding system, the control operators of forwarding stations that retransmit inadvertently communications that violate the rules in this Part are not accountable for the violative communications. They are, however, responsible for discontinuing such communications once they become aware of their presence.

(d) For stations participating in a message forwarding system, the control operator of the first forwarding station must:

(1) Authenticate the identity of the station from which it accepts communications on behalf of the system; or,

(2) Accept accountability for any violation of the Rules in this Part contained in messages it retransmits to the system.

- The ARRL Letter, 4/26/94

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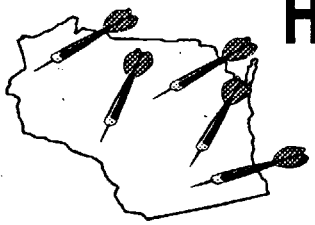
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HERE and THERE

Bill to Support PRB-1

Illinois House Bill 3730 would prohibit cities from enacting laws failing to conform to PRB-1. ARRL members in Illinois are encouraged to contact their state representatives, including Speaker of the House Michael J. Madigan, asking that they support with a "yes" vote, Illinois House Bill 3730.

- ARRL Bulletin

2300 MHz Comments Sought

The FCC has issued a Notice of Inquiry on reallocation of spectrum from federal government use (in ET Docket 94-32). 50 MHz of spectrum would be transferred to private sector use, possibly as early as this summer. The comment deadline is June 15, 1994.

The reallocation is called for under the Omnibus Reconciliation Act of 1993, which requires the Department of Commerce to identify 200 MHz of spectrum below 5 GHz to be reallocated within the next 15 years.

The spectrum identified for immediate reallocation is at 2390 to 2400 MHz, 2402 to 2417 MHz, and 4660 to 4685 MHz. Amateurs share the first two ranges. The Commission said that "there are a number of factors associated with existing allocations of the bands that will affect their potential for private sector use."

The FCC specifically asked for input on whether the proposed reallocations would adversely affect amateur operations, especially amateur satellites. The Commission said that "the Department of Commerce expects that the amateur service community can satisfy the majority of its spectrum requirements in the remaining 35 MHz (left after the proposed reallocation). It also believes that current use of the 13 cm band by amateur stations is light compared to use of bands lower in the spectrum, but notes that use may increase for amateur-satellite, high-speed computer data links, amateur TV, and other wide-band applications.

"The Department of Commerce states that it excluded the 2400-2402 MHz band from consideration for reallocation in order to protect existing amateur satellite operations."

- ARRL Bulletin ARLB043, 5/11/94

Strategic Plan for ARRL to be Developed

Members of the ARRL Board of Directors gathered in Savannah, Georgia, on May 6 and 7 to begin developing a strategic plan to guide the ARRL in preparing for the opportunities and challenges of the twenty-first century.

The ARRL Long Range Planning Committee had recommended that because of the importance of strategic planning, the effort should be initiated

separate from the regular business of a Board meeting. The process that was begun in Savannah will be continued with the objective of completing a draft plan by the end of 1994.

- ARRL Bulletin ARLB041, 5/8/94

New Mobile Tools for FCC Include 10 Computer Cars

The Federal Communications Commission is showing off a new vehicle for investigative work, equipped with two computers, a color monitor, a mobile phone, and a satellite receiver. The FCC told the Associated Press it expected to have 10 such cars in service in metropolitan areas this month (May), with the goal of eventually having two such cars for each of the Commission's 35 field offices. The FCC said that businesses and boat operators are the most likely to operate unlicensed transmitters.

Meanwhile, in Gettysburg, at the end of April the FCC's amateur license processing backlog was 10 to 12 weeks. The Commission has not yet switched to its new computer system, which will be required for processing the new-style, simplified Form 610, which has been mandatory since March 1.

And according to *Broadcasting and Cable* magazine, FCC Chairman Reed Hundt is asking the Office of Management and Budget for more money for fiscal 1995, in order to hire more Commission workers. Hundt said the FCC is running at a "personnel deficit" of about 500, compared with 1980.

- The ARRL Letter, 5/10/94

Telephone Interference Survey Examined; ARRL Lab Offers Solutions to Problems

In early March, the Federal Communications Commission's Field Operations Bureau released statistics from a survey of 105 random cases of telephone interference, saying that since some telephones are "bulletproof," all of them could be.

The results of the study were obtained by the ARRL and reported in May *QST*.

The FCC concluded that transmitter power did not seem to be a significant factor, and found that filters worked only one-third of the time.

The FCC said that its own bulletproof telephones were free of interference "virtually all of the time."

The FCC did say that, since its survey was done at random, the results should not be construed as FCC endorsement or criticism of any particular manufacturer's product.

The FCC said telephone interference filters "cannot be relied upon to eliminate telephone interference" (emphasis added), since, in two out of three cases in this survey, they didn't work.

ARRL Laboratory Supervisor Ed Hare, KA1-CV, spoke to the FCC about their survey, and was told it was preliminary and not meant to be conclusive. On May 4, the FCC issued a news release about the survey, summarizing its findings.

The FCC's "bullet-proof" telephones were all

In Memoriam

AL W. SATTERFIELD

Al Satterfield passed away on March 4, 1994. Normally, he would not be listed as a Silent Key in this publication, because Al was not a licensed member of the Amateur Radio community. While my history may not be totally accurate, those of you who knew Al can fill in the details as you remember a good friend and supporter of ham radio.

During the 1930s, Al Satterfield worked for Charlie Brown, the owner of Radio Parts Company of Milwaukee. Al became his partner when Radio Parts Company opened in Madison. He later bought the company and renamed it as Satterfield Radio. Satterfield's became the hub for parts and equipment for us budding and active amateurs. Remember those Saturday morning eyeball QSOs in the ham department there?

Al's interests were served by his ham employees, among them Ferrell Smith, W9NAK; Bill Uhalt, W9UTV (often confused with the writer); Roy Rosser, K9WXS/W9IAU, the latter call used at the store and now held by Roy); and Arnie Bachmann, K9DCJ.

I served my apprenticeship in 1950, before I was licensed. Satterfield's history included selling gear made by National, Hallicrafters, RME, Meissner, McMurdo-Silver, Millen, and others just vaguely remembered.

Al Satterfield was an outgoing, friendly gentleman who supported our causes and our efforts. His donations of equipment and sponsorship of our social activities were generous. Al's contribution to his community were part of his nature.

His constant companion, wife and partner, Marge, survives him. We offer her and the family the sympathy of their friends.

- Bill Aspinwall, W9UGT

modified, non-electronic type, Hare said, and it is much more difficult (although not impossible) to make modern electronic telephones, full of active devices, so absolutely immune.

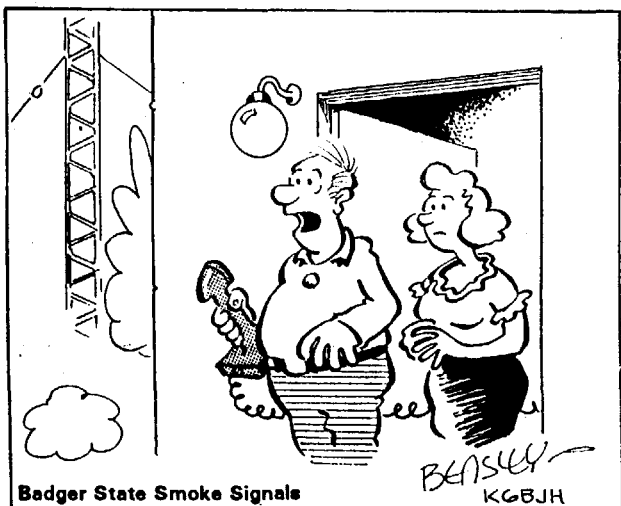
The bullet-proof telephones also lack the bells and whistles popular with consumers.

There are many reasons why telephone filters may work only "one-third of the time." RF filters are designed to be optimum over a specific frequency range - an HF filter installed to correct an interference problem caused by a VHF station may not be effective, Hare said.

Separate filters are often required for telephone lines are handsets; a handset cord can pick up an RF signal from an HF or VHF station and some telephones may as a result require the use of a handset filter.

Hare emphasized that telephone interference can be cured. Often, a combination of immune telephones, multiple filters, and troubleshooting tech-

Please turn to page 12



I SAID SOMETHING ABOUT THE STANDING WAVE RATIO BEING REAL HIGH. -- JUNIOR GRABBED HIS SURFBOARD, YELLED "SURF'S UP," AND TOOK OFF

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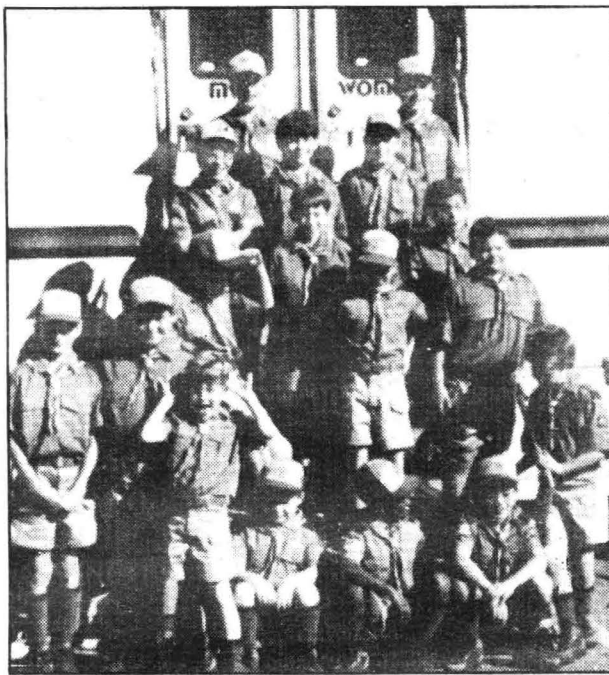
A part of downtown Baraboo, the home of the "editorial office" of Badger State Smoke Signals, will be seen in a major summer motion picture, as will many other parts of south-central and southern Wisconsin. These photos were taken on the east side of Baraboo's courthouse square, looking east on Oak Street. This is part of the set for some scenes in the movie "I Love Trouble," starring Nick Nolte, Julia Roberts, Marsha Mason, and others. In the photo at left is a partially-built "building" across an alley and Jerry's Hallmark Shop. What you will see in the film is at right. Jerry's becomes the "Spring Creek Barber Shop," and will have two barber chairs in the front windows. The painting of the little girl saying "More milk.... mom" was reportedly done by a Disney artist, while the set "building" over the alley was built by a Portage carpenter, completely made of wood, even the "bricks". The model for the painting was the Disney artist's daughter, and it's said the painting now graces his rec room in



California. In the course of the film, Nolte and Roberts, playing reporters for rival Chicago newspapers (one is the "Chicago Globe") come to Wisconsin to investigate a possible scandal. They go to the "Spring Creek Library", which is actually the east side of the old part of the Sauk County Courthouse. And, somewhere near where these photos were taken, you should see Nick Nolte in an "angry" mood, smashing his luggage on the street. You may also see the old Civil War canon in the courthouse square. We are not certain, but our famous Al Ringling Theatre might be seen, too. The film is due for a late June release. Then, there is a ham radio "connection" with the movie, too. Those photos are below. You might even see your BSSS editor, who was cast as an extra - as a grandfather - in a scene in Madison. For that reason, maybe you'd best not have dinner until AFTER you see the film - eh?



Karl Plouffe, above, shown at his dressing room on the set at the south shore of Devils Lake, plays a "Ranger Scout" in "I Love Trouble." Karl has a speaking line in a scene the movie; part of the scene was shown on "Entertainment Tonight" on May 5. He is the son of Rick (N9ROY) and Juanita Plouffe of Wisconsin Dells.



Here they are: About twenty mischievous little "Ranger Scouts," in their uniforms. In the movie, they ALL have cameras, and they find Julia Roberts in an "embarrassing" situation. Watch the previews and clips on TV; you may see what happens, or, better yet, see the movie; you will KNOW. - Left and center photos courtesy Rick Plouffe/N9ROY



This photo was taken at the Madison Swapfest. ARRL Central Division Director Ed Metzger, W9PRN, right, shakes your editor's paw after learning that your editor is an extra in "I Love Trouble." Ed has been in the movie business most of his life, working for Marcus Theatres in Illinois.

Parts of "I Love Trouble" were filmed at other rural locations around Baraboo, Portage, Deerfield and/or Cottage Grove (a house burn), Madison, the Rock County Airport (the "Spring Valley Airport"), and, of course, in Chicago. Some night shooting was done in Madison for a chase scene, and a restaurant scene was also filmed in Mad City. The film is supposed to be a drama/comedy/thriller. I'll

indulge in a personal prediction here: I don't know what most film critics will about "I Love Trouble," but I believe that Siskel and Ebert will likely give it "thumbs down" because it is a "formula picture." That's part of my prediction; the other is that this movie will be one of the big box office successes on the 1994 summer movie season, regardless of what any of the critics say. □

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Balloon-Carried Amateur Radio Flight has Ambitious Mission

WARBA Has New Name

Near Space Sciences, formerly the Wisconsin Amateur Radio Balloon Association, has a busy flight with an intriguing payload scheduled for launch June 18 at 10 a.m. from the Wonewoc Airport on Highway 33 between Wonewoc and Union Center. The bad weather launch date is June 19.

The payload for this flight includes:

- A Sony Handycam camcorder, which will both tape the view and send live Amateur Television (ATV) earthward on 439.25 MHz. On a cable ready TV set or VCR, this is also called channel 60. The TV system will use a mirror, so the video will appear "backward."

- A crossband repeater with an uplink on 144.325 MHz, and multiple downlink frequencies of 439.25, 3 watts, horizontal polarization, an alternate on 443.75, and 28.322 MHz AM, horizon-

tally polarized. The repeater downlink is the same as the ATV frequency. Joe Mayenschein, WB9-SBD, NSS leader, explained that TV sets, which receive a wideband AM TV signal, will ignore the 5 or so kHz of FM repeater downlink signal, while the TV signal will be ignored by Amateur Radio gear receiving the narrowband FM repeater downlink audio.

- GPS: Packet users will be interested in the Global Positioning System (GPS), which will transmit on 441.05 MHz, and provide latitude, longitude, course, speed, and a lot of other information. It will use standard AX.25 packet, transmitting on 441.05 MHz with 2 watts, vertically polarized. The telemetry format is shown in the box. If you would like more information about the GPS system, send a packet message to KA9NHL @ WB9SLE.IL.USA.NA.

Launch day nets will be operating on both the Baraboo 146.88 repeater and on 7.155 MHz SSB.

GPS Balloon Location Packet Radio Information Format

\$GPGGA,xxxxxx,xxxx,xxN,xxxxx,xxW,x,x,xxx,xxx,M,xxxx,m*CKRL

LATITUDE LONGITUDE

ALT METERS

(Information courtesy KA9NHL)

The Computer Corner

By Stan Kaplan, WB9RQR
11541 North Laguna Drive
Mequon, WI 53092-3119

Number 12 in this series was written on Saturday, 6 November 1993. This morning, WB9LNL, N9UNR and I went to Friendly Fest, down in the southern part of Milwaukee. A nice morning, lots of hams buying and selling. I bought a computer. Paid \$5.00 for it!

I must admit, it was not a complete computer. It was the case, power supply, motherboard and one floppy drive. But it WAS an XT class computer, fully populated with memory.

Saturday afternoon, I completely disassembled it, reseated all the chips, cleaned up all the connectors, then put it back together. Then I added a keyboard (I had an XT model on hand, but also purchased a brand new AT keyboard at the same swapfest for \$18). I added a second (used) floppy, including a used double cable to connect them. New, a drive can be had for about \$50. Then I added a monochrome video board and a monochrome monitor. Had I purchased these new, the monitor would have cost about \$80, and a monochrome board can be had for about \$25. I had all these things on hand, but let us assume they had to be purchased new; here is a tally:

Keyboard	\$18
5-1/4" floppy drive	50
Video board	25
Monitor	80
Computer	5 (!)
Total	\$178

Purchase used at a swapfest, these add-ons would have cost much less than half the new price. For example, at the swapfest at about 10:00 a.m., someone offered me a monochrome monitor at no charge! They are readily available for \$20.

Yes, the computer works fine. I had to fiddle with the dip switches because its previous owner had it set up for a color monitor, but once that was done, it worked perfectly. A full 640 kbytes of memory. Beautiful little machine.

Why didn't I add a hard drive? Two reasons. First, there was not room. The computer is one of those little square "small footprint" types, and there is just enough room for two floppies. The only hard drive I had laying around was about 1/2 inch too high to fit in the case, even with one floppy drive removed. The second reason is even better, because it is based on the intended use of the computer. I plan to take it up to the Justice Center for use in our OZARES Emergency Communications Center. It will be used for a packet station and, once powered up, it will run 24 hours a day, seven days a week. The drives will be used only occasionally - when booting up the computer, or when a ham needs to download something. Floppy drive motors turn off when unused, but hard drive motors do not - they spin constantly. No need to waste power and the life of a hard drive by spinning the platters day after day for no useful purpose. The floppies will do just fine, and we will have practiced conserva-

Subscription Rate Correction

There was an error in the new BSSS subscription rates published in our May issue. The new subscription rates for PARTICIPATING CLUBS do not take effect until JANUARY 1, 1995. The new rates for INDIVIDUAL subscribers take effect JULY 1, 1994. Advertisers may extend their ad runs for up to two years at the old rates until July 1, 1994. This includes BOTH HAMFEST and COMMERCIAL advertisers. Advertisers should send new ads or renewals to the editor. See page 2 for the address.



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South-Central Wisconsin Skywarn

By Tom Weeden, WJ9H
Skywarn Net Control Station

The 1994 severe weather season is underway, and in the week following the statewide tornado drill on April 14, the SKYWARN net has already been activated twice. This article is a brief description of how the South Central Wisconsin SKYWARN net will operate in 1994, and how you can get involved.

The idea behind SKYWARN is to assist the National Weather Service (NWS) in being able to warn the public about approaching severe weather. When the Madison NWS office requests help from the Amateur Radio community, one station will bring up a net on the 146.88 repeater and another station will be activated in the NWS radar room at the Dane County Regional Airport. Ideally, amateurs who have taken part in a tornado spotter's training course will then be able to set up at spotting sites around southern Wisconsin and check into the net. If the NWS radar operator notices a possible severe storm or tornado on radar, they will ask the ham operator there for any station able to give a visual confirmation. The net control will then take any reports from the field and the liaison at NWS will relay the information to the meteorologists on duty. These reports are helpful in determining whether to issue severe weather warnings. While NWS prefers trained spotters giving reports, sometimes a report from an untrained eye is better than no report at all!

SKYWARN has traditionally operated on the 146.88 Baraboo repeater and will continue to do so. But to improve our ability to receive severe weather reports to pass on to the National Weather Service, the SKYWARN net will also use 147.15 and other repeaters on a secondary basis. The SKYWARN net control will remain on 146.88, but will send liaison stations to other area repeaters to take reports from stations who can't hit .88 from their locations. These liaison stations will not necessarily take over the secondary repeaters, but will announce their presence at regular intervals. They will take reports and relay them to the main net on .88. And, as before, if the .88 repeater should go down, the main net will transfer to the 147.15 machine.

A common problem with the operation of a SKYWARN net is traffic from well-intentioned stations who report non-severe weather conditions when the net is busy. Reports that NWS is inter-

Please turn to page 13

tion of energy.

The moral of this story is, computer bargains are out there for the asking. If you haven't gotten on packet radio yet because you don't have a computer, you can do it now for very little investment. Don't miss the next swapfest!

Reprinted, by permission, from the ORC Newsletter, Ozaukee Radio Club, P.O. Box 13, Port Washington, Wisconsin 53074 (Ray Meyer, N9PBY, Editor).





OFFICIAL RESULTS

1994 Wisconsin QSO Party

Sponsored by the West Allis Radio Amateur Club



WISCONSIN STATIONS

GENERAL COMMENTS

Another Wisconsin state QSO party is history. Conditions this year were, in a word, stinko. The usual bread and butter band for most stations, 40 meters, evidently had some sort of solar flare, which almost rendered it useless. Because of sun spot cycle, the higher bands were somewhat closed, depending on how far from Wisconsin the station was, based on comments from out of state stations.

I want to say a few words about MOBILE stations. I hear a lot of comments about WQP. I do not believe I have ever heard a comment about just exactly what the MOBILE stations do for this contest. I think the time is here to explain it. The Wisconsin QSO party is a STATE contest, not a USA contest or a DX contest. Wisconsin has 72 counties, some of which apparently either do not have hams in them, or those hams do not elect to participate in the WQP.

Without the contacts from the counties the MOBILES cover, I am convinced many stations would not achieve the scores they do, nor would WQP have the participation it does. Perhaps, that's THE secret to the WQP success. In my mind, the MOBILE stations are the unsung heroes of WQP. How? Glad you asked. What I have done below is list the MOBILE stations that entered the 94 WQP, counties operated from, and bonus points achieved, based on 500 points per county that produced at least 15 Q's. In most cases, they are short of a full measure, if one multiplies 500 times counties operated from.

This year was unusual, because of band conditions. But, if you go back and look at past years, the same stats support my argument. The MOBILES are trying to put as many counties on the air for the rest of us as possible. This year we had 19 MOBILE stations send in entries, covering up to 23 counties, in an attempt to "get as many counties on as possible." Lots of time planning a route, lots of gas, and lots of perseverance in completing their plan, as well as trying to operate at the same time and even several modes. That's a lot of effort FOR US. THEY DESERVE OUR THANKS!!!! I DO NOT KNOW WHAT MOTIVATES THEM, BUT I AM GLAD THEY ARE!!!!

CALL	COUNTY	C	S	P	MULT	CW PTS	SSB PTS	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
SINGLE OPERATOR - MOBILE										
WB9HRO *	Dane	35	32	2	69	182	63	1000	17905	Four Lakes ARC
N9HR *	Jefferson	39	8	0	47	0	244	1000	12468	Watertown ARC
KV9U *	LaCrosse	28	11	0	39	0	81	2000	5159	Riverland ARC
N9JUJ *	Waukesha	26	1	0	27	0	179		483	Watertown ARC
KB9FTI *	Washington	17	3	0	20	0	110	2500	4700	Kettle Moraine ARC
KC9CI *	Washington	18	5	0	23	0	87	2500	4501	Kettle Moraine ARC
WA9BPG *	Waukesha	6	29	1	36	0	97	1000	4492	Kettle Moraine ARC
NZ9B *	Dane	24	3	0	27	0	80	2000	4160	Four Lakes ARC
WI9M *	Milwaukee	19	15	1	35	0	75	1500	4125	Ozaukee Radio Club
K9DZG *	Dane	10	20	2	32	106	0	500	3892	Yellow Thunder ARC
WA9GON	Outagamie	19	21	0	40	20	37	1000	3280	Fox Cities ARC
WF9X	Washington	6	1	0	7	0	58	1500	1906	Kettle Moraine ARC
KB9HTB	Dane	7	0	0	7	0	27		189	Four Lakes ARC

MULTI OPERATOR - MOBILE										
AJ9C *		30	19	0	49	0	190	4500	13810	Ops: AJ9C, KE9I
KZ9O	Brown	32	12	2	46	0	114	3000	8244	Green Bay Mike & Key Club
WK9O		20	3	0	23	36	24	500	1880	Ops: KZ9O, N9LPM Ops: WK9O, KA9KLZ

MULTI-TRANSMITTER/MULTI-OPERATOR - MOBILE										
N9KS *	Waukesha	34	33	3	70	494	292	9500	64520	Kettle Moraine ARC Ops: N9KS, N9EZ, WB9HCO
KC9RH	Dane	19	6	0	25	0	72	1500	3300	Four Lakes ARC Ops: KC9RH, N9BAF
KC2AK	Dane	12	3	0	15	0	80	1500	2700	Four Lakes ARC Ops: KC2AK, N9PQN

SINGLE OPERATOR - TECHNICIAN										
N9QBU *	Dodge	21	1	0	22	0	89		1958	Fond du Lac ARC
N9JON *	Waukesha	10	2	0	12	0	46		552	Kettle Moraine ARC
KA9JCP *	Milwaukee	5	2	0	7	0	24		168	West Allis RAC

MULTI-TRANSMITTER/MULTI-OPERATOR - FIXED										
AA9AO *	Kewaunee	41	36	5	82	314	167	500	39942	Green Bay Mike & Key Club Ops: AA9AO, ND9Z, KA9BXE, N9DKH, KF9GP
KB9EWK	Brown	40	32	4	76	68	187		19380	Green Bay Mike & Key Club Ops: KB9EWK, WA9SWX, N9VJL, N9TLP
AA9BJ	Sheboygan	19	31	2	52	224	28		13104	Sheboygan County ARC Ops: AA9BJ, N9PZV

MULTI-OPERATOR FIXED										
WK9M *	Waukesha	35	40	6	81	158	209		29727	Kettle Moraine ARC Ops: WK9M, KB9AMG
N9JCL	Marinette	34	38	7	79	142	172		24806	Marinette-Menomonee ARC Ops: N9JCL, AA9GZ, K0SN, KG8CX
KF9KZ	Sheboygan	41	24	4	69	232	96		22632	Sheboygan County ARC Ops: KF9KZ, N9VKC, N9TCJ
K9QYC	Fond du Lac	40	26	1	67	170	117		19229	Fond du Lac ARC Ops: K9QYC, N9VIB
KO9Q	Sheboygan	37	27	3	67	154	112		17822	Sheboygan County ARC Ops: KO9Q, N9IOC
N9TNW	Outagamie	36	9	0	45	2	132		6030	Fox Cities ARC Ops: N9TNW, N9OEQ
WB9RQR	Ozaukee	19	16	2	37	84	34		4366	OZARES
N9GDW	Brown	4	1	0	5	0	4		20	Green Bay Mike & Key Club Op: N9GDW

SINGLE OPERATOR - FIXED										
W0AIH **	Eau Claire	55	47	8	110	196	614	500	89600	Sultans of Shwing - SOS Operator KA9FOX
W9UP *	La Crosse	55	44	9	108	332	413		80460	Sultans of Shwing - SOS Operator N0BSH
N9AW *	Milwaukee	55	42	8	105	196	435		66255	W/K ARC
W9XT *	Washington	44	45	7	96	268	273		51936	Kettle Moraine ARC
W9WAQ *	Dodge	45	35	5	85	246	235		40885	Watertown ARC
KB9S *	Pepin	38	36	4	78	412	83		38610	
WA1UJU *	Waukesha	50	35	5	90	208	211		37710	Kettle Moraine ARC
N09M *	Dane	38	41	6	85	230	197		36295	Four Lakes ARC
N9FVN *	Lafayette	49	32	3	84	234	161		33180	
N9CQQ *	Oconto	44	38	6	88	144	217		31768	

CALL	CTY	BONUS
K9DZG	6	500
KB9FTI	6	2500
KB9HTB	2	0
KC9CI	6	2500
KV9U	4	2000
N9HR	23	1000
N9JUJ	23	0
NZ9B	5	2000
WA9BPG	8	1000
WA9GON	3	1000
WB9HRO	4	1000
WF9X	4	1500
WI9M	3	1500
AJ9C	12	4500
KZ9O	7	3000

SINGLE-OPERATOR - FIXED (Continued)

CALL	COUNTY	C	S	P	MULT	CW PTS	SSB PTS	BONUS PTS	FINAL SCORE	CLUB AFFILIATION
NI9Z	Sheboygan	35	38	4	77	246	141	500	30299	Fond du Lac ARC
N9CKC	Dane	32	33	4	69	340	97		30153	Four Lakes ARC
WV9T	Manitowoc	40	33	3	76	264	118	500	29532	
N9TCF	Sheboygan	41	42	5	88	0	335		29480	Sheboygan County ARC
KF9HI	Milwaukee	41	40	6	87	140	196		29232	W/K ARC
KB9AIT	Outagamie	38	44	7	89	0	318		28302	Fox Cities ARC
NK9G	Milwaukee	35	37	4	76	200	168		27968	W/K ARC
WT9Q	Dane	43	31	3	77	234	123		27489	Yellow Thunder ARC
NF9V	Jefferson	23	40	7	70	240	136	500	26820	Watertown ARC
K9OSH	Waukesha	40	32	2	74	214	132		25604	Kettle Moraine ARC
WE9V	Vernon	38	38	4	80	136	172		24640	Sultans of Shwing - SOS
W9OP	Winnebago	36	30	4	70	136	155		20370	Fox Cities ARC
W9MSE	Fond du Lac	27	29	4	60	296	0		17760	Fond du Lac ARC
K9ZZ	Columbia	48	22	1	71	106	137	500	17753	Yellow Thunder ARC
N9EAJ	Jefferson	38	24	2	64	152	106		16512	Watertown ARC
KD9BC	Winnebago	43	30	4	77	0	212		16324	Fox Cities ARC
AA9GF	Outagamie	39	36	4	79	0	202		15958	Fox Cities ARC
WB9RNL	Columbia	34	34	3	71	56	141		13987	Yellow Thunder ARC
K9KR	Racine	40	19	3	62	52	164		13392	West Allis RAC
K3GGN	Ozaukee	34	4	13	51	248	0		12648	
WB9MSM	Jefferson	49	15	0	64	0	177	500	11828	Watertown ARC
N9ISN	Chippewa	49	17	1	67	0	171		11457	
KA9ZPX	Columbia	46	15	0	61	0	169		10309	
K9GDF	Milwaukee	27	18	3	48	154	40		9312	W/K ARC
WA9WYI	Washington	35	18	2	55	50	118		9240	Washington County ARC
N9JAK	Racine	22	23	2	47	138	46		8648	W/K ARC
W9CBE	Dane	20	17	2	39	206	0		8034	
WA9PWP	Dane	24	18	2	44	176	2		7832	Four Lakes ARC
WU9B	Milwaukee	32	15	2	49	42	110		7448	Kettle Moraine ARC
K9FHI	Dodge	44	8	0	52	0	135		7020	Rock River Radio Club
W9YCV	Milwaukee	39	7	1	4	50	77		5969	West Allis RAC
WS9P	Racine	24	26	2	52	0	103		5356	Racine Megacycle Club
WA9YVE	Jefferson	30	7	0	37	0	136		5032	Watertown ARC
K9BED	Milwaukee	14	20	1	35	124	16		4900	W/K ARC
NX9H	Milwaukee	27	18	1	46	0	104		4784	W/K ARC
NB9H	Burnett	39	5	0	44	0	97		4268	
WB9AZH	Racine	36	7	0	43	0	97		4171	Kettle Moraine ARC
WD9IAB	Manitowoc	26	10	2	38	70	38		4104	Mancorad - Manitowoc
WA9KCU	Dodge	30	8	0	38	0	99		3762	Watertown ARC
KE9ET	Dane	34	6	1	41	0	91		3731	Four Lakes ARC
N9NOF	Brown	25	14	2	41	0	88		3608	Green Bay Mike & Key Club
K9JIG	Brown	34	8	0	42	0	84		3528	
WB9QFX	Winnebago	22	19	2	43	0	79		3397	Fox Cities ARC
WB9NRK	Brown	21	14	3	38	0	89		3382	Green Bay Mike & Key Club
KC9BY	Waukesha	31	7	0	38	0	86		3268	Kettle Moraine ARC
KF9SJ	Sheboygan	24	9	0	33	46	49		3135	Sheboygan County ARC
W9FBC	Winnebago	30	4	0	34	0	88		2992	Fox Cities ARC
N9EZF	Fond du Lac	4	29	2	35	0	80		2800	Fond du Lac ARC
WB9HGS	Milwaukee	21	8	1	30	76	8		2520	South Milwaukee ARC
W9DMI	Milwaukee	15	8	0	23	42	43		1955	W/K ARC
KB9GOX	Kewaunee	29	5	1	35	0	55		1925	Mancorad - Manitowoc
KQ9L	Green	14	11	0	25	58	13		1775	Four Lakes ARC
KF9SB	Manitowoc	25	6	0	31	0	57		1767	Sheboygan County ARC
N9RPT	Dane	23	10	0	33	2	47		1617	Four Lakes ARC
WB9NOV	Dane	32	4	0	36	0	44		1584	Four Lakes ARC
W9RZW	Waushara	27	4	0	31	0	50		1550	
K9WTF	Waukesha	22	5	0	27	0	50		1350	West Allis RAC
K9JPS	Marathon	26	6	0	32	0	42		1344	
KA9USV	Waukesha	24	6	0	30	0	44		1320	RRRL
AA9HS	Dane	12	9	1	22	56	0		1232	Four Lakes ARC
N9UPU	Brown	26	1	1	28	0	42		1176	Green Bay Mike & Key Club
WT9E	Dane	17	6	1	24	6	41		1128	Four Lakes ARC
N9DHM	Brown	12	10	0	22	0	37		814	Green Bay Mike & Key Club
AA9AD	Dane	7	9	1	17	46	0		782	
N9DIJ	Milwaukee	22	3	0	25	0	31		775	W/K ARC
N9DMS	Dane	16	2	0	18	0	40		720	Four Lakes ARC
W9FJE	Milwaukee	16	1	0	17	0	23		391	West Allis RAC
K9VGE	Waukesha	9	2	0	11	0	32		352	Kettle Moraine ARC
AJ9U	Milwaukee	5	4	0	9	0	26		234	W/K ARC
NQ9F	Outagamie	11	2	0	13	0	16		208	Green Bay Mike & Key Club
KB9GSB	Milwaukee	6	1	0	7	0	25		175	W/K ARC
N9NSZ	Dane	4	1	0	5	0	17		85	Four Lakes ARC
N9RQF	Dane	3	1	0	4	0	7		28	Four Lakes ARC

* CERTIFICATE ** PLAQUE

NON-WISCONSIN STATIONS

CALL	STATE	CW PTS	SSB PTS	WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
KM4JA *	AL	16	22	19	722	
K6NA *	CA	76	37	29	3277	
AA6KX	CA	48	28	23	1748	
N1EPU *	CT	26	0	8	208	
VE2EM/W3 *	DE	88	0	29	2552	
KR4DI *	FL	14	32	23	1058	Ops: KR4DI, AB4WC
WW1M	FL	0	26	17	442	Kettle Moraine ARC
WB4RUA *	GA	92	2	23	2162	
KN4QV	GA	50	6	20	1120	
KH6GMP *	HI	0	7	6	42	
WH6DY	HI	0	5	3	15	
NOØZ *	IA	108	0	24	2592	
KA9IMX *	IL	66	88	41	6314	
K9OM	IL	166	0	31	5146	
K9UQN	IL	34	40	26	1924	
N9QX *	IN	0	77	36	2772	

WK9O	6	500
KC2AK	4	1500
KC9RH	4	1500
N9KS	20	9500

The 1994 WQP had 178 entries. We had 116 operating from Wisconsin, one from Argentina, five from Canada and 56 from the rest of the USA. 34 states, including Hawaii sent in logs. Five Canadian provinces sent in logs, including Yukon.

70 Wisconsin counties were represented - only Dunn and Iron were absent. All 50 states and 11 of the Canadian provinces were found in the logs. Labrador and Prince Edward Island were the missing ones. I want to thank all those out of state stations that participated, with or without sending in entries. You help to make WQP what it is - one of the best State contests there is.

Another driving force for WQP is the Club Competition. 21 clubs entered the competition, which has been at about the same numbers for a few years now. It amazes me that a state contest can generate that much interest from the states' clubs. This is the other reason I believe WQP is successful.

Kettle Moraine Radio Amateurs repeated their winning performance, but dropped back over 140,000 points in total score, with 5 fewer entries. Sultans of Shwing, formerly Independence Radio Club, moved from 3rd to second place, up almost 25,000 points. W/K ARC dropped to 3rd place, down almost 58,000 points. Watertown held down 4th place again, with a score similar to last year. The big surprise is the Four Lakes Club. They went from 6 entries last year to 17 this year, and upped their score almost double last year, to a total of over 114,000. Fox Cities Club, another name change - WA-CO/BARF last year - dropped back just under 11,000 points, for 6th place. Seventh place was captured by Sheboygan County ARC. They increased their score by 22,000 plus, with their entries doubling also.

Green Bay Mike & Key Club, Fond du Lac ARC, and Ozaukee Club dropped back in both score and position. West Allis, Washington County and Racine Megacycle Clubs really dropped off in score. Yellow Thunder Club increased both their score and their entries (+ 22,610 and doubled to 4). The rest of the club entries were new ones or held their last year's position.

I think I can safely repeat what I said last year about the value of getting club members to participate for the club to be successful. Get your club active and see if you can win. This year, WARAC will be presenting our club plaque to Kettle Moraine Amateur Radio Club, for a job well done. Congrats, guys.

Our plaque for the best SINGLE OPERATOR - FIXED again goes to WØAIH, operated again by KA9FOX, Scott Neader. Scott had his best performance ever in WQP, 89,600 points. 98 CW Q's, 614 Phone Q's and 110 multipliers and a contact rate of 102 per hour. Not bad for "stinko" band conditions. Congratuations, Scott.

Lastly, I want to thank ALL THE STATIONS who participated. Whether you sent in a log or not, were either mobile or fixed, a county hunter or not, operating just for casual contacts or participating for a few Q's or a lot of Q's, I thank you. WITHOUT YOU ALL THERE WOULD BE NO PARTY.

See you on the second Sun.

NON-WISCONSIN STATIONS (Continued)

CALL	STATE	CW PTS	SSB PTS	WISCONSIN COUNTIES	FINAL SCORE	CLUB AFFILIATION
WM9M	IN	0	49	27	1323	SMC
N9ULB	IN	0	52	25	1300	
KC4WQ *	KY	18	20	20	760	
WA4MXD	KY	0	20	15	300	
WB5TPW *	LA	8	38	21	966	
N5II	LA	14	2	7	112	
WW1A *	MA	0	35	22	770	
WA1LXP	MA	0	30	19	570	
W3GG *	MD	172	55	39	8853	
W3ABC	MD	66	10	19	1444	
K1PQS *	ME	34	0	13	442	
WA1WPR	ME	4	0	2	8	
W8WVU *	MI	142	0	30	4260	
AK7J. *	MN	48	12	17	1020	
KØYIP *	MO	92	54	29	4234	
KØJPL	MO	38	5	18	774	
KTØP/5 *	MS	38	0	17	646	
KI4HN *	NC	32	3	14	490	
K1BV *	NH	102	18	26	3120	
N2AA *	NJ	152	50	38	7676	
AE2N	NJ	88	0	27	2376	
W9IEM/7 *	NV	0	25	19	475	
NS9E *	NY	64	43	28	2996	
N2PTF	NY	0	24	16	384	
W5ONL *	OH	120	114	39	9126	North Coast Contesters
AF8A	OH	128	60	30	5640	
N8NCV	OH	54	11	23	1495	
K8CW	OH	0	19	13	247	
KI7Y *	OR	14	18	17	544	
K3WWP *	PA	100	0	25	2500	
N3RJ	PA	100	0	24	2400	
KB3XS	PA	0	19	14	266	
N3CZB	PA	24	0	10	240	
WDØT *	SD	110	46	32	4992	
W9WI *	TN	108	13	27	3267	
K6XO *	UT	54	17	20	1420	
WA4PGM *	VA	126	73	38	7562	
KA1LDS *	VT	0	17	15	255	Central Vermont ARC
KJ8J *	WV	74	16	18	1620	
K9YLI/7	WY	0	3	3	9	
LU6EF *	ARGENTINA	10	3	7	91	
VE3FRS *	CANADA	96	0	29	2784	
VE4FP *	CANADA	0	33	25	825	
VE5BCS *	CANADA	0	6	5	30	
VE9ST *	CANADA	120	12	28	3696	
VY1JA *	CANADA	14	19	17	561	

* CERTIFICATE

CLUB AGGREGATE SCORES
CLUB COMPETITION

CLUB NAME	SCORE	ENTRIES	WINNER
KETTLE MORaine RADIO AMATEURS ***	240887	14	N9KS
SULTANS OF SHWING - SOS	194700	3	WØAIH
W/K ARC OF GREATER MILWAUKEE	154238	11	N9AW
WATERTOWN AMATEUR RADIO CLUB	122140	8	W9WAQ
FOUR LAKES AMATEUR RADIO CLUB	114434	17	NO9M
FOX CITIES AMATEUR RADIO CLUB	96663	8	KB9AIT
SHEBOYGAN COUNTY AMATEUR RADIO CLUB	87940	6	N9TCF
GREEN BAY MIKE & KEY CLUB	76774	9	AA9AO
FOND DU LAC AMATEUR RADIO CLUB	72046	5	NI9Z
YELLOW THUNDER AMATEUR RADIO CLUB	63121	4	WT9Q
MARINETTE-MENOMONEE AMATEUR RADIO CLUB	24806	1	N9JCL
WEST ALLIS RADIO AMATEUR CLUB	21270	5	K9KR
WASHINGTON COUNTY AMATEUR RADIO CLUB	9240	1	WA9WYI
ROCK RIVER RADIO CLUB	7020	1	K9FHI
MANCORAD - MANITOWOC	6029	2	WD9IAB
RACINE MEGACYCLE CLUB	5356	1	WS9P
RIVERLAND AMATEUR RADIO CLUB	5159	1	KV9U
OZARES	4366	1	WB9RQR
OZAUKEE RADIO CLUB	4125	1	WI9M
SOUTH MILWAUKEE AMATEUR RADIO CLUB	2520	1	WB9HGS
RRRL	1320	1	KA9USV

*** PLAQUE

day of March, 1995, good Lord willing.

Lynn Tamblyn, K9KR,
for the Wisconsin
QSO Party Committee

S^oA^pB^oX

I was pleased at the great amount of activity, on 40 meters especially.

- K1BV

It's not much, but if I'm the only entrant from CT, then I get the cheese, right???? Great idea for encouraging involvement.

- N1EPU

I had fun with your little QSO party. I tried to give as many of your folks the VY1 multiplier as possible. It was neat to be on my own and not stuck with the VE8 and their big contest groups for competition. Band conditions were very poor from our area. Tried, but was only able to find propagation on 20. I was using a 110 foot vertical (my tower without an antenna). Perhaps next time I will try using an antenna.

- VY1JA

Monitored CW bands a lot but could only come up with 2 QSO's.

- WA1WPR

Another fine contest. Conditions good all the way.

- AE2N

Great fun! I'll be there next year - following N9KS around was a gas.

- N2AA

This was an enjoyable contest. Mad dash at the end on Sunday night on 80 meters.

- N2PTF

I was away from home during the contest weekend, but managed to operate my mobile from Delaware.

- VE2EM/W3

Thanks for the help and a great contest. The contest was a bunch of fun. This was my first attempt at it and I found it brings the county hunters out of the woodwork! Feels like being a DX station.

- K3GGN

A super contest!!!! I haven't seen so much activity in a state QSO party in many years. How do you do it. You should share your secrets with the other states, as most of their parties are pitiful nowadays. I operate strictly CW here.

- K3WWP

Glad to participate in your QSO party this year. Hope to hear some guys in the PA QSO party in October.

- N3RJ

Seemed to be a lot more activity this year. Always enjoy working Badgers. Used to be W9DIK in Fond du Lac back in the late 50's.

- W3GG

Lots of activity on 40M CW. Took me a bit to understand N9-KS/M/county on CW, especially when he crossed county lines.

- KI4HN

Thanks for a fun contest!

- KN4QV

Thank you. I enjoyed the con-

tacts.

- VE5BCS

With 10 meters gone, it is going to be harder to find all you guys! Highlight: working K9DZG/Mobile. Ken and I started together as junior high school novices back in 1960 at Sun Prairie.

- K6NA

It was funny to get on Sunday eve for the WQP. Sorry to say that I found not a single station on 10/15, and poor activity on 20 meters. Also on this side, lots of QRN, so 40 wasn't available, and I think that most activity was on 40 HI HI. Hope to do better next year.

- LU6EF

One suggestion is to find some other exchange besides the signal report. Everybodys 59 or 599! No matter how many fills are required. How about a name or serial number or ??

- KJ8J

Fun contest. Now there are TWO things I like that come from Wisconsin. - HI.

- N8NCV

Great party! Nice to see increased activity from other states.

- AA9BJ

Sat. March 12 at 330 p.m. - decide to go to the great Wisc north. Sun. March 13 at 330 a.m. - drive like mad 400 miles only to find solar storm in action! Sun. March 13 at 1159 p.m. - 957 miles later, home, sound like Broderick Crawford, frustrated from screaming at stations who can't hear us. C U next year.

- AJ9C/KE9I

Conditions weren't the best for the party. Had fun, of course, I know a lot of the stations. Do not see why we can't have more stations from Wisc checking into the nets - when it comes to the QSO party, there are all kinds from Wisc.

- K9FHI

When I told KO9Q in Sheboygan county he was in the home of those famous sausages, he replied -- "yep, we gotta lot of sausages on the air up here OH you mean the bratwurst." Great people - great contest always - my 3rd year.

- K9UQN

10 and 15 dead. 20 skip too long - only N9JCL heard. 40 strange after about 2210Z. Called with 100 and 400 watts and no answers. Course they did not hear anyone else either.

- K9YLI/7

Contest was a good time. Conditions left WISC with poor propagation to our own state. I was surprised at the out of state contacts this year.

- KB9AIT

Too ERR is human, to really screw up takes a computer. Mike kept asking me why I wanted log sheets to record everything by hand if I was using the computer. My experience with computers - have a hand written copy. The computer lost all but the FIRST 28 CONTACTS. Next year Mike will just say "yes dear."

- KO9Q

Thanks to WARAC for the usual fun contest, even if I don't make

a big score. Thanks to all the mobiles for all the multipliers and for the first time I logged Lafayette county in this contest. WK9O/M gave me 6 counties.

- N9FVN

Had a lot of fun - doubled last year's multipliers - helped tremendously on score. Mainly stuck on 20/40/80. Little waging with other S.C.A.R.C. members helped to get more ops from Sheboygan County. That victory beer went down REAL good!

- N9TCF

The contest was somewhat less exciting this year without the Blizzard! Conditions stunk! Only 40 was open to western New York until the last hour or so of the contest. Despite somewhat lower activity, the bands seemed especially crowded.

- NS9E

Conditions much different from last year. Some minor equipment problems frustrated me throughout but a good time was had none the less. Hope to see everyone next year.

- N0BSH operating W9UP

Murphy hit hard this year! Worst conditions I can remember for a WQP. Hard drive on computer died 20 minutes into contest. Prize for greatest effort should go to AJ9C & KE9I. They called me Saturday afternoon saying they were interested in doing a mobile effort and wanted to know which counties were rare. Then they

drove up from Indiana to start from northwest corner of state! Thanks guys.

- W9XT

Rough in-state propagation on 40 SSB. Best score for me in the QSO party. Thanks to all.

- N9AW

I got a late start because of fog. Band conditions???? Not many counties heard from mobile. C U NEXT YEAR.

- WA9GON

I didn't cheat, lie, or steal. Just had a good time and made a few contacts.

- WB9HGS

This is the first time I've tried mobile in the QSO party. I tried to put on some rarer counties up north - Bayfield, Ashland, Sawyer and Rusk. I did a lot of dumb things: 1) not putting ropes for antennas up at all my operating sites in advance cost me operating time putting antennas up; 2) trying to operate from too many counties, as it also cost me operating time, about 2 1/2 hours between driving and installing antennas; 3) not checking out antennas and radio before QSO party. And some smart things: 1) having two radios along, as the IC-745 developed bad front end overload on CW; 2) putting 2 antennas up in trees, as off center fed dipole worked better than 40 meter one; 3) using an RV battery for power instead of running the car. Besides that, I got stuck on the ice, had my 20 meter mobile antenna quit so I couldn't operate while moving

sites. Lost time trying to catch my dog, who got loose. 3 more Q's from Bayfield and 1 from Ashland would have given me another 1000 bonus points. If I do this again, I will: 1) operate from less counties; 2) have a reliable mobile antenna; 3) pre-install the antenna ropes; 4) keep my dog tied; 5) not change the WX, it was great - had the window open without the heater on. It was fun once I got the glitches out. I learned a lot about antennas.

- WB9HRO (ed note - this is condensed from 3 1/3 pages)

Was surprised that Manitowoc County was relatively rare. Had visitors, so I didn't get to operate as much as I wanted to. Unlike other years, vast majority of activity was on 80M. Listened on other bands, and heard little activity. Once again, a very good contest.

- WD9IAB

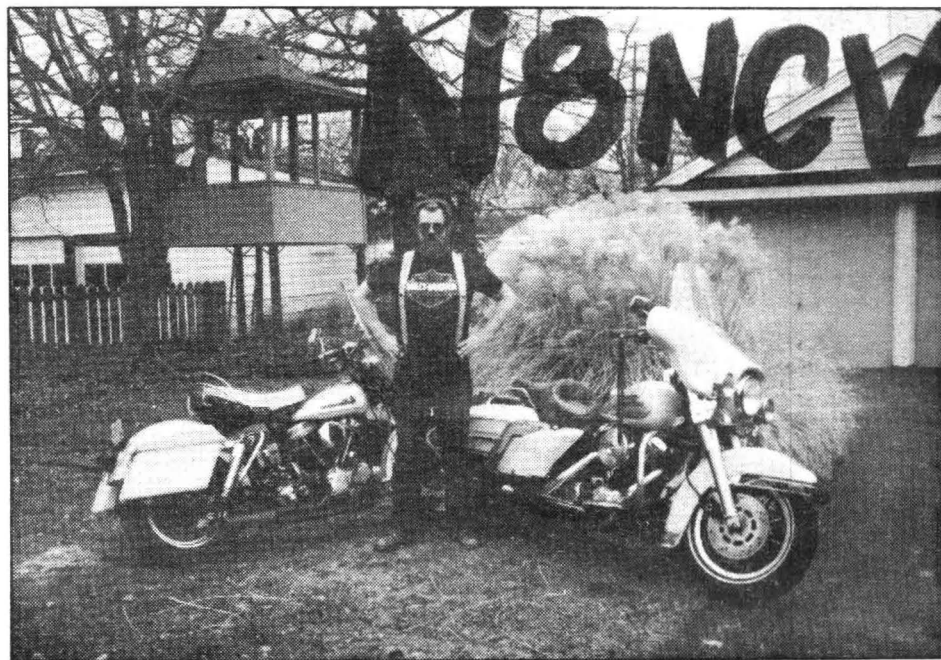
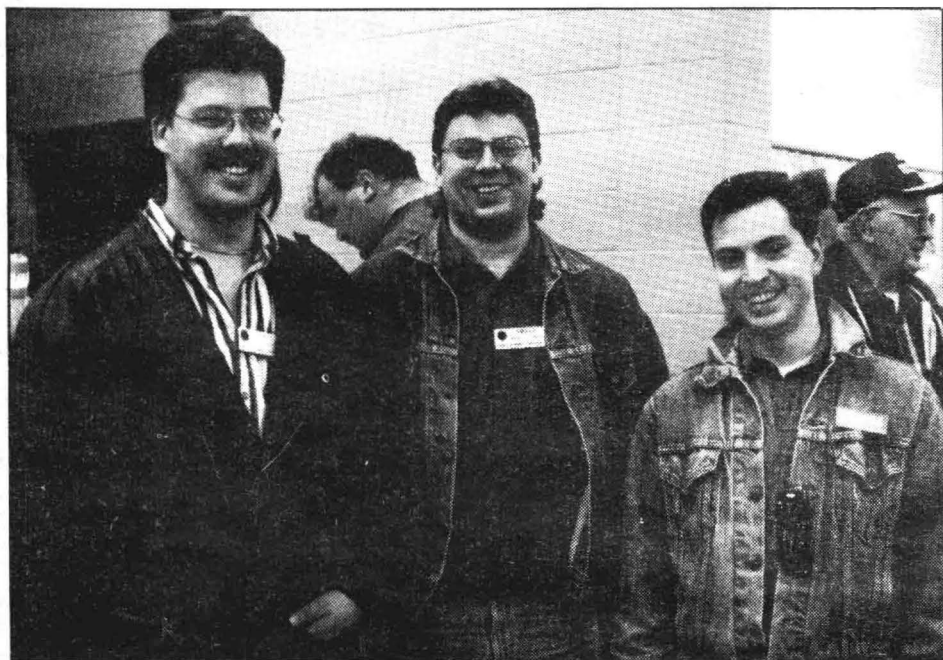
Major troubles with 40 meter antenna switchbox - lucky 40 meter conditions were bad.

- KA9FOX operating W0AIH

Being editor of BSSS, it was fun to find NOOZ in the WQP (NOOZ, actually). It was also nice to work Hugh Turnbull, W3ABC, the Atlantic Division Director of the ARRL. Hugh also is active with the Foundation for Amateur Radio, which administers dozens of scholarships, including those for the West Allis Radio Amateur Radio Club (WQP sponsor) and the South Milwaukee Amateur Radio Club. Good party, great turnout, peculiar band conditions, and an operator here to match.

- K9ZZ

THE 1994 WQP "ROGUE'S GALLERY"



TOP LEFT: All three members of the "Sultans of Shwing - SOS", including the 1994 WQP's top 1994 scorer are shown. Left to right are Chad Kurszewski, WE9V; Mike Tessmer, N0BSH, second place, single-operator/fixed station from W9UP with 80,460 points; and Scott Neader, KA9FOX, who topped 'em all in single-operator/fixed from superstation W0AIH, with 89,600 points. This three-member effort totalled 194,700 points, making the SOS second only to the Kettle Moraine Radio Amateurs, which took first place in the club competition with 14 members contributing 240,887 points to the KMRA's aggregate score.

TOP RIGHT: Bill Klima, N8NCV, worked 23 Badger State counties and turned in 1,495 points from Cleveland, Ohio. He says "Fun contest, and now there are two things I like that came from Wisconsin, hi! There may actually be three, if Bill reads *American Iron*, a magazine for Harley-Davidson fans. John Frank writes a monthly column for that magazine, and he is WB9TQG, of Madison.

BOTTOM LEFT: Multi-operator/fixed station entry K9QYC tallied 26 states, 40 Wisconsin counties, and 1 Canadian province for a total of 19,229 points. Charles Theisen, K9QYC, is at right, and his son, Chris, N9VIB, is at left. Their score helped the Fond du Lac Amateur Radio Club to an aggregate score of 74,046.

More photos are on the next page.

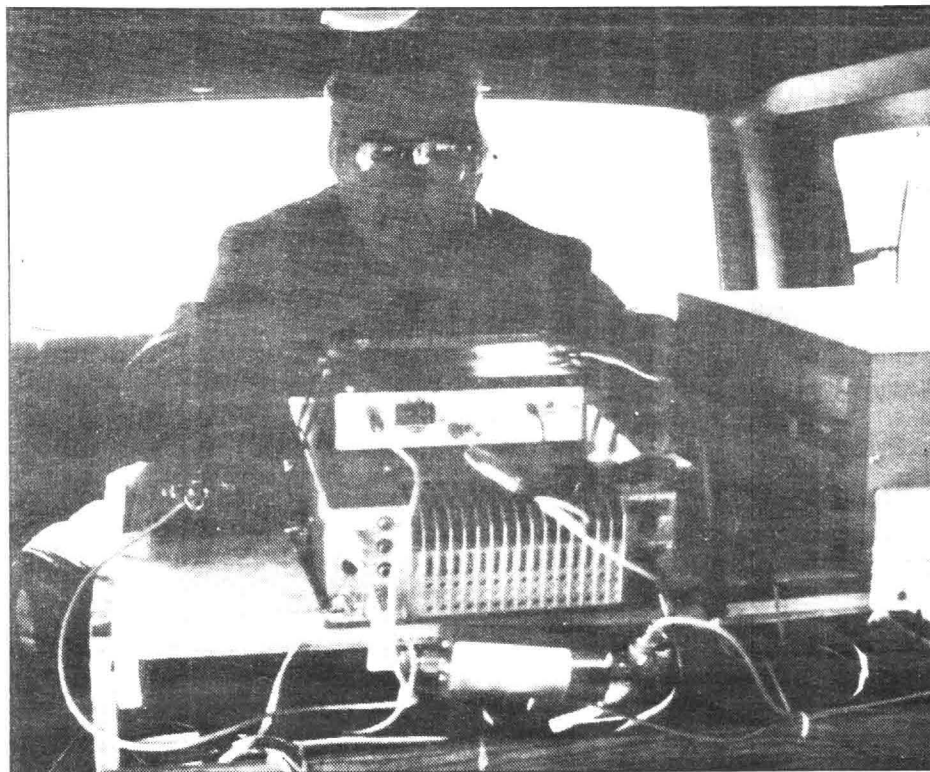
THE 1994 WQP "ROGUE'S GALLERY"



N9KS/M - PUTTING OUT THE COUNTIES! Ken Secora, N9KS, sent the following info and the photos above:

"The N9KS mobile had Jack, N9EZ, on the 40M CW station; Paul, WB9HCO, on 20 and 75 SSB; and Ken, N9KS on 75 SSB and 2M FM. During the 300-mile, 20-county trip, 539 contacts were made. Band conditions were rated as poor that day, and equipment failures held the totals down. An attempt was made to run amplifiers on two stations, but a troublesome generator had to be shut down after an hour or so. Our efforts netted 247 CW contacts and 292 contacts on phone. Add in the bonus points for a total of 64,000. Not bad, after hearing some of the home station totals. The N9KS/M was part of the Kettle Moraine Radio Amateurs Club effort.

"The gear consisted of three Kenwood TS-440s and several Hustler whips and homebrew antennas (see photo above at left; that's Jack Forslund, N9EZ looking over the antenna supply). Each station is fitted with a special bandpass filter and harmonic 'suckout' traps to allow each to operate without QRMing the others. This allows

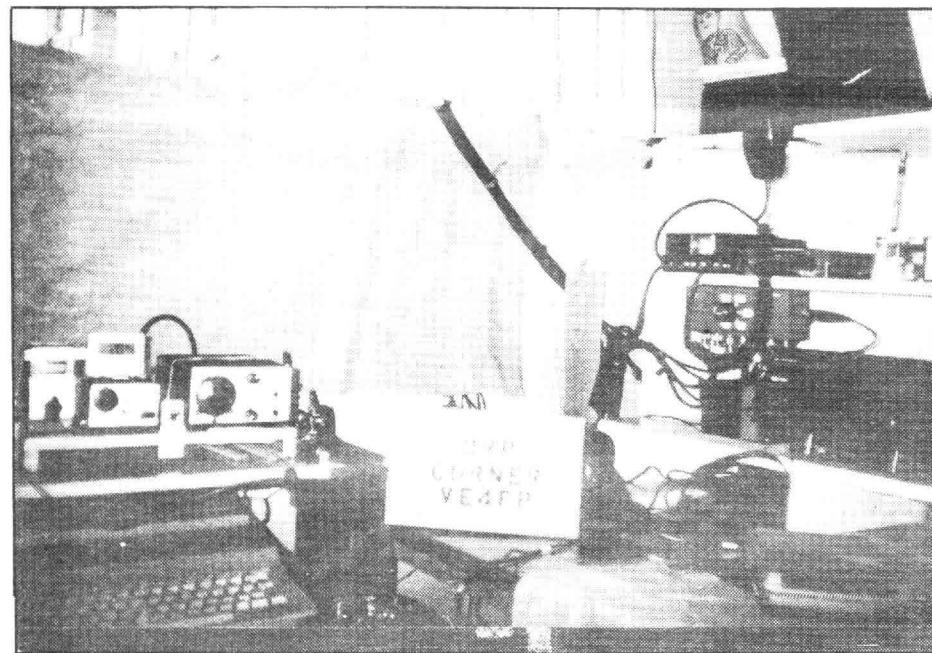


operation on all bands from 75 through 10 meters simultaneously.

"The two rear station modules are pre-wired and slip into the van in a matter of minutes. Just hook up the 12VDC lines and coax cables and they are ready to go. Up front, a simple floor-mount holds the HF and VHF rigs. The antennas are mounted using large "H" frames with magnets and one with the standard Hustler bumper clamp.

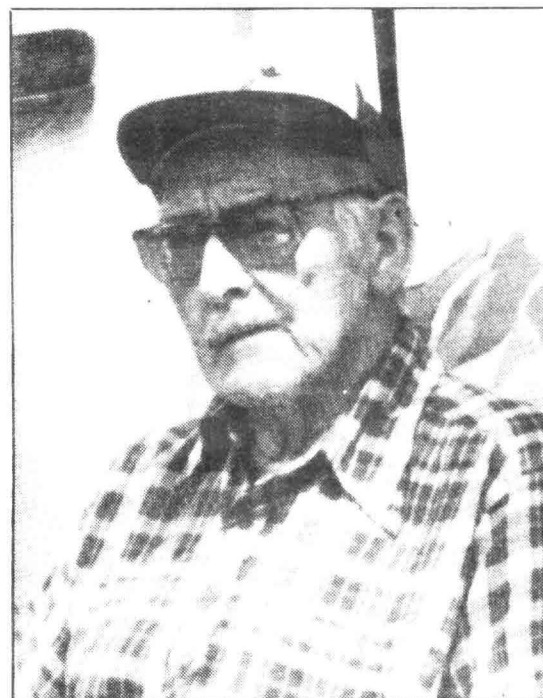
"If you are looking for a challenge, going mobile in this contest will test your skills and patience. Every club should put a mobile or two on the road for this one. If you have any questions, feel free to contact me at my call book address. Good luck and see all of you in the 1995 Wisconsin QSO Party."

That's Ken Secora, N9KS, in the photo at right; the lighting wasn't good, so he may not be very recognizable.



The Wisconsin QSO Party is sponsored annually on the second Sunday in March by the West Allis Radio Amateur Club. The club also sponsors the Mid-Winter Swapfest, held in January in Waukesha, and funds several scholarships, administered by the Foundation for Amateur Radio. Information about these events or about the club is available by writing to the club at P.O. Box 1072, Milwaukee, WI 53201. Badger State Smoke Signals is proud to support the WQP by publishing the rules for the WQP in our February issue. The results are usually published in our June issue.

ONE OF SEVERAL ENTRIES FROM OUR NEIGHBOR TO THE NORTH came from Gordon Funnell, VE4FP, of Winnipeg, Manitoba, Canada. The two photos above are his neatly set up shack; note that neat QRP operating position! Gordon had 33 contacts in the WQP, all on SSB, and he worked 25 Wisconsin counties for a total of 825 points. That's Gordon in the photo at right, relaxing outdoors. It is probably safe to assume that photo wasn't taken during the winter we all just suffered through (well, MOST of us suffered!) See you in the '95 WQP, Gordon.



HERE AND THERE....

Continued from page 5

niques is required for a complete solution.

On the other hand, as the FCC said in its report on the survey, "...manufacturers can design

interference-free telephones."

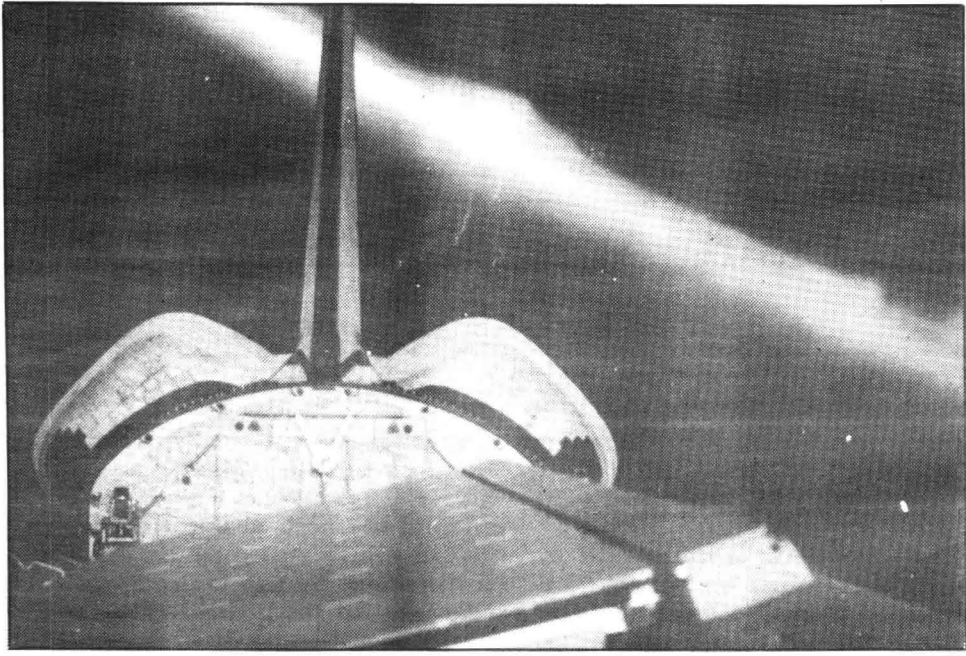
- The ARRL Letter, 5/10/94

Hams are doing interesting things and enjoying interesting experiences all the time. Why not share yours with BSSS readers? Write a story and send it, with photos if you have them, to the editor. His address is on page 2.

HAMFEST/SWAPFEST ADVERTISERS

If you are advertising your event in a 1-year card ad here in BSSS, remember that you're also entitled to one FREE display ad. It's your responsibility to send 2 good, clean copies of your event's flyer to the editor at LEAST eight weeks before the event.

Another SAREX Success



During the STS-59 shuttle mission in April, astronauts Jay Apt, N5QWL, and Linda Godwin, N5RAX, used their SAREX 2-meter equipment for a contact with astronaut Ken Cameron, R3/KB5AWP, on assignment at the Russian space facility at Star City, near Moscow.

The two astronaut-hams also spoke to cosmonaut Anatoli Artsibartski, U6MIR. The contacts were made on two successive passes overhead.

Jay Apt said "Ken is my friend and former STS-37 crewmate. It was terrific to hear his voice after several months corresponding by E-mail only. What a great way to use ham radio."

Cameron and Artsibartski were standing near the Star City statue of Russian cosmonaut Yuri Gagarin, using a hand held transceiver and 5/8 wavelength whip antenna, standing on a car to increase their elevation, astronaut Jay Apt related in an Amateur Radio packet message from space.

In the photo at right, astronaut Linda M. Godwin, N5RAX, on the shuttle Endeavour's middeck, talks to students using the Shuttle Amateur Radio



Experiment (SAREX). The payload commander, as well as several other STS-59 crew members, spent some off-duty time using the Amateur Radio equipment to communicate with hams and students on earth.

In the left-hand photo, an aurora is the backdrop for this 35mm scene of the Earth-orbiting Endeavour's aft cargo bay. In the bay are the antennae for the SIR-C/X-SAR imaging radar instruments. The crew experienced several sightings of the southern lights (aurora australis) during the orbiter's week and a half in space.

A highlight of the 1994 Dayton Hamvention was the ARRL SAREX forum, commemorating 10 years of Amateur Radio from the Space Shuttle. Some 500 attended, to hear space tales from astronauts Tony England W0ORE, and Steve Nagel, N5RAW. Astronaut Ken Cameron, KB5AWP, participated by telephone from Russia's Star City.

- From ARRL bulletin ARLS021, 4/26/94, and *The ARRL Letter*, 5/10/94
Photos courtesy of the National Aeronautics and Space Administration

South-Central Wisconsin Skywarn

Continued from page 7

ested in include:

- Winds in excess of 50 MPH (slight structural damage, large tree branches and limbs may break),
- Hail more than 1/2 inch in diameter (penny-sized) or larger,
- Heavy rains (2 inches or more per hour) or significant flooding,
- Incessant lightning, and
- Obvious funnels or tornadoes.

Reports of "the rain just stopped here" or the like are not necessary unless there is NO other traffic on the net. Lulls in the net DO happen, such as when a warning has not yet expired but the severe weather has moved out of the county. At those times, non-severe reports are fine.

Suggestions for a smooth-running net, especially when under tornado conditions:

- Check in with your call followed by a brief one- or two-word description of your report. Examples: "KA9JPZ, funnel" or "N9SZF, heavy rains."
- After net control has acknowledged you, give the time of your observation, what you saw, and your location referenced to a well-known landmark. Even if you have previously checked in with your location, give it again. It saves time not having to look back in the log to see where you are. The Weather Service also needs the time of your report in case you may not have been able to give your report as it happened. This aids NWS in determining the speed and direction of the severe weather. Examples: "At 4:45, there was a wall cloud southwest of my location which is 2 miles south of West Towne Mall" or "I currently have 60-plus MPH winds at the intersection of Highway 14 and 138 near Oregon."
- Be specific. A report of "It's really windy here in Madison" is not as helpful as "There are large branches snapping off trees on South Park Street near the Beltline."
- Be brief. In a dangerous situation there may be many stations needing to report quickly.

Here are some preparation suggestions for SKYWARN operators:

- Have a good map in your vehicle. The best map I've seen for this area is *The Wisconsin Atlas and Gazetteer*, which is available at several stores for about \$15.
- Scout out a spotting site with a good view to the west. Make sure you have a quick escape route in case the weather turns ugly at your location.
- Check your signal into the repeater(s) at your spotting site.
- Carry spare batteries!
- Sit in on a tornado spotter's training course. They are held every spring, generally in March, at several locations in Southern Wisconsin. A course usually runs about an hour and a half. Knowing some of the theory can help you spot severe weather developing to get the warnings out earlier. It can also help you avoid confusing a harmless funnel-shaped rain shaft with an actual dangerous funnel cloud!

John Offerdahl, KC9XH, who has run the SKYWARN net in the past, has asked me to take over the net. You may still hear KC9XH on occasion as a net control, although primarily it will be me, WJ9H. Alternate net controls include KA9JPZ, K9JVP, WT9E, and W9CWD. N9VHT is the 147.15 liaison. Other liaisons are W9CWD, N9OAC, and K9JVP. Weather service operators include N9NTB and KA9JPZ.

Biggest needs for SKYWARN: more spotters! Especially to the west and south of Dane County. If you are in a "sparse" location, check in. We need your eyes! If you know of someone who can help out from those areas, have them call the net too.

Future plans for SKYWARN:

- DTMF alerting. Taking advantage of tone squelch in modern radios, I hope to institute a standard DTMF alert code to quickly notify operators of impending severe weather. This will allow you to leave your radio on and muted, only un-squelching when an alert is issued. A few details need to be worked out on this first.

Packet weather reporting. The Automatic Packet Reporting System (APRS) allows a network of stations to display objects on maps on their computer

screens and share this graphic information via packet radio. Northwest Indiana SKYWARN is using APRS to aid severe storm tracking.

- Amateur Television. Actually, weather radar is already available in Madison on ATV, but educating hams on how to receive it is in the works. (Hook a vertical 440 MHz antenna to the cable input to your TV and tune to CABLE channel 59, not UHF.)

- Repeater linking. The Mineral Point 146.655 repeater has been linked to the SKYWARN net on .88 already, giving SW Wisconsin a better voice into the net. We'd also like to retransmit the Sullivan/Milwaukee SKYWARN net in this area on a UHF frequency so more people here can hear THEIR weather status.

If you would like more information, contact me on the repeater, via the WD9ESU packet BBS, or on the phone. I'm looking forward to hearing you on the net.

- Submitted for publication by Tom Weeden/WJ9H

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PARTICIPATING Clubs and Organizations

Racine Megacycle Club

Arne Moxness, KA9ZPY, Secretary

3345 Newman Road • Racine, WI 53406

RACINE MEGACYCLE CLUB MEETING MAY 9, 1994

The meeting was started promptly at 7:30 p.m. by president Gary, N9MGH. Everyone introduced him/herself with first name and call sign. Thirty one hams were present.

A representative selling jackets and caps was waiting and got to do his thing. The club has decided to sponsor a common jacket and cap to show the public who we are. There will probably be a logo on the back of the jacket with the Racine Megacycle Club. There was a considerable amount of discussion about what color and material to pick. A motion was finally made by Larry, WA9JMO, who has worked on this matter for some time. The motion which was for a black jacket and cap made of corduroy was seconded and the motion carried. Since there were still some details to clear, a committee was formed to finalize the proposal with details. Members on the committee are Cheryl, WS9P; Larry, WA9JMO; and Gary, AD5H.

The minutes as presented in the *Badger State Smoke Signal* by Arne, KA9ZPY, were approved with again corrections on some call signs.

The treasurer's report by Dave, AA9HL, was approved.

OLD BUSINESS

Gary, AD5H, reported that the generator the club had hoped to purchase has been sold so that matter is still open. Gary will look and check out the present generator which will probably be replaced soon.

WB9RGO, Lloyd, has made progress repairing the field day antenna.

Bruce, K9RRS, reported that there has still not been any progress in finding a meeting place for the packet users group.

Larry, WA9JMO, reported on the survey taken at the last ham dinner.

Because of the expected size of the group at the next year's dinner we will meet at South Hills Country Club.

The "goodie box" was won by Fern, W9LCJ. Maybe fitting since Fern has just retired and may have a need to do some misc. stuff. Maybe there are parts in the "box" for another radio? I suspect Fern may ask for some help to bring the "box" to the next meeting!

NEW BUSINESS

Field Day '94 will take place June 25 and 26 at South Hills Country Club. Chairman as last year is Jim, KB9CCY.

HAM CALENDAR Courtesy Racine Megacycle Club

Jun	4	Testing at Red Cross
Jun	5	Hamfest at Princeton
Jun	12	Hamfest at Stevens Point
Jun	12	Hamfest at Santa Fe
Jun	13	MEGACYCLE MEETING
Jun	14	Testing at Red Cross
Jun	25	and
Jun	26	Field Day Racine
Jul	9	Hamfest at Oak Creek
Jul	11	MEGACYCLE MEETING
Jul	23	Hamfest at Eau Claire
Jul	24	Hamfest at Hawthorne
Jul	31	☆ Hamfest Racine!
Aug	7	Hamfest at Peotone
Aug	8	MEGACYCLE MEETING
Aug	14	or
Aug	21	Picnic QCWA
Aug	27	Hamfest at Sugarcamp
Aug	28	Hamfest at McHenry
Sep	3	Testing at Red Cross
Sep	11	Hamfest at Joliet
Sep	12	MEGACYCLE MEETING
Sep	17	and
Sep	18	Hamfest at Peoria
Sep	24	and
Sep	25	Hamfest at Grayslake
Oct	1	Testing at Red Cross
Oct	10	MEGACYCLE MEETING
Oct	23	Hamfest at Waukesha
Nov	5	Testing at Red Cross
Nov	5	Hamfest at Waukesha
Nov	6	Hamfest at Kaukauna
Nov	14	MEGACYCLE MEETING
Dec	3	Testing at Red Cross
Dec	12	MEGACYCLE MEETING
1995		
Jan	8	Hamfest at Waukesha
Feb	28	Hamfest at Eau Claire

There will be a checkout day May 21 to go over all gear to make sure all is ready.

Larry, WA9JMO, made a proposal to start up a ham class again. This will take place starting next September at Gilmore and will include all classes up to Extra. There will be a need for about four teachers per class. More details to follow.

The formal part of the meeting was adjourned at 8:45 p.m.

Sincerely submitted:
Arne, KA9ZPY, club secretary

Eau Claire Amateur Radio Club

J. Brennan Fitzl, N9LIJ, Secretary

1418 Altoona Avenue • Eau Claire, WI 54701

MEETING MINUTES MAY 10, 1994

The meeting was called to order by Vice President W9ZZI at 7:43 p.m. local time, with 35 members and guests present. It was noted that there no minutes for the April meeting due to the secretary being absent. President N9OHE is filling in this month for the secretary, who is again absent.

The treasurer's report was read and approved by the membership, with note being taken to acknowledge donations from First Federal Savings Bank and Time Warner Cable for donations for acquiring door prizes for the Hamfest in July.

Discussion of *Badger State Smoke Signals* rate increase for both subscriptions and advertisements was entertained. Membership moved and approved to take advantage and lock in at the old rate for the next two years.

Report on the Fox Hunt, held April 30 by W0OCZ, was given. Good time was had by all: those who never found the fox and those who watched their traffic regulations. Winning team of N9VOX and N9UXC will be fox for the next hunt, scheduled for June 18th. Those wishing information can call Mike at 832-7860.

There was general discussion in regard to Field Day and possibly celebrating it with the NWRC. N9RSU will check with the NWRC in regard to use of our trailer and a combined Field Day on the last weekend of June in the area.

Hamfest preparations were discussed

next. There are already 24 tables reserved, with N9TUA to be contacting past vendors in regard to renting tables for this year. N9OHE will be getting the list of table suppliers from W9NNS to line up tables and chairs for this year. N9TUA will arrange the rental truck for hauling of the tables, and N9RSU will pick up, drive, and return the truck.

Volunteers will be needed to help pick up tables on Thursday evening and set them up at the fairgrounds, as well as helping after the hamfest on Saturday with the return of the tables. WB9RBP will work security overnight before the hamfest; he is looking for an additional one or two to help.

WD9IJY was absent with the ticket signup sheet, as were the committee for door prizes and raffle prizes. Hamfest kitchen was discussed, with the idea of having an outside organization run it for the proceeds it would receive on the stand. Membership decided for members and spouses to discuss it until the end of the month, and then if no one has been found that will organize the needed kitchen arrangements, an outside organization will be contacted in regard to it.

Membership was advised of an interested individual who was studying for his license but has been unable to since the death of his tutor this last winter. Anyone who could spend about an hour a week with this future ham is encouraged to contact N9TCA, N9OHE, or N9TUA.

Lunch committee for June is W9ZZI and KB9EUP. □

Quarter Century Wireless Association Southern Wisconsin Chapter 162

Larry McCalvy, WA9JMO
5400 Six Mile Road
Radne, WI 53402



"Skokie Bill," W9ERG and Jean Hawes have slipped into their warm-weather weekend Kenosha facilities. It is a very nice boat, parked on the Kenosha Lake Michigan shoreline. Our Chapter Secretary/Treasurer, Bob Jensen, W0WLN, in recognition of their love for the State of Wisconsin, presented a certificate to Bill and Jean, making them Honorary Citizens of Southern Wisconsin. Bill tells me only the location of his employment prevents the move from becoming permanent at this time.

The starting time for future meetings will be 7 p.m., and will begin with our Monday, June 20th get-together. The Second Annual "Mosquito Awareness" outing will again be held at Ken (N9NBC) and Marbeth Knoff's home in Kenosha at 16616 12th Avenue. Take I-94 to Highway E, head west for about three miles, and turn right into their drive. If the road ends, you have gone too far. Spouses and guests are invited to participate. W9ERG will bring the soda pop and other attendees are asked to bring something to pass.

The Lutheran High School Walk, held at the end of May, transpired without a hitch. Chapter members participating included Ken Knoff, N9NBC; Bob Jensen, W0WLN; Steve Bellgraph, K9ZL; Spence

Clope, W9LDH; and Larry McCalvy, WA9JMO. Bill Firchow, NW9P; Jim Johnson, N9SEM; and Rick Panyk, N9UBO, augmented our crew. Thanks, gang, for a job well done.

Our annual picnic is scheduled for Sunday, the 14th of August, at the home of Larry, WA9JMO, and Wendy, N9PAC, McCalvy. The Chapter will provide soft drinks and watermelon. Larry and Wendy will have roasted corn and a large grill available. Attendees are asked to bring a food dish to pass and their own meat to grill.

Details for the above events will be hammered out during our net meetings (147.270 MHz) on Thursday evenings at 9 p.m.

We are looking for a location for our Annual Meeting in October. If you have any suggestions, let us know on the net. I personally would like the Holiday Inn Harborside Restaurant in Kenosha, but would not want to influence anyone else's choice (or would I?).

Olie Fox, K9AKG, is still at the Racine Community Care Center, Room 99, 1600 Ohio Street, Racine, WI 53405. I am sure Olie would love to hear from us.

73, Larry McCalvy, WA9JMO

NewsBriefs

• No reply from Russia to your QSL? A Moscow newspaper in April reported the arrest of several mail thieves at the Moscow Central Post Office. Postal workers were searching bags of mail for valuables (e.g., currency and International Reply Coupons), and then throwing the mail away.

• The FCC has once again denied a request by Dale Gagnon, KW1I, for a waiver of transmitter power limits. A year ago, the Commission denied a similar request from Gagnon for higher-power AM operation.

• The FCC also recently denied a petition for reconsideration from David Ingram of Mableton, Georgia, who was fined \$2500 for violating citizens band rules, and fined K40 Electronics, Ltd., of Warren, Michigan, \$20,000 for selling non-type accepted CB equipment, including power amplifiers.

• Youngest DXCC? Nine-year-old Casey Haley, AB5RG, received his certificate in April. Casey, an Extra Class licensee, lives in South Houston, Texas.

HAMFEST SPONSORS: Subscriptions to *Badger State Smoke Signals* are available at no charge for give away as door prizes. Send your request on your club's letterhead to Ken Ebnetter, K9EN, 822 Wauona Trail, Portage, WI 53901.

Sheboygan County Amateur Radio Club

Gregg Meschler, N9PZV, Secretary

2309 North 34th Street • Sheboygan, WI 53083

The May 10, 1994 meeting of the Sheboygan County Amateur Radio Club was called to order by Penny, N9TCF. The club meets every 2nd Tuesday at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI.

ANNOUNCEMENTS

Board elections were held and the following officers were elected by unanimous vote:

Vice Pres. - Chris, N9VKC Secretary - Mike, KF9SJ
Treasurer - Al, NF9R
Board at large - Steve, N9TRK
Novice Rep. - Eric, KB9IBT
Steve, KF9KZ, will assume the office of President.

Congratulations to all.
Listen for Art, K9XJ, transmitting from Aruba on June 18 beginning at 1830 UTC on the Novice bands (like 28.350 MHz). Listen as he reads from the club roster.

COMMITTEE REPORTS

Volunteers were solicited for 2M net control. The net is held every Monday evening at 7:00 p.m. local time on 147.060 MHz (+, 107.2 PL).

Field Day Planning: Chris, N9VKC, needs volunteers and support equipment such as Novice station and generators, etc.

The next exam session will be June 15, 1994. Check in at 6:30 p.m. testing begins at 7:00 p.m. at the Red Cross Building, 2032 Erie Ave., Sheboygan, WI. No walk-ins, please register in advance with Tom, AA9BJ, at 458-2307.

FUTURE EVENTS

June 14 - Club meeting, new officers take over and Field Day planning.

June 15 - Exam session at Red Cross

building.

June 18 - Fox Hunt east half of Sheboygan County beginning at 1:00 p.m.

June 25th - Field Day and July club meeting at 9:00 a.m. at Taylor Park.

July 4 - Sheboygan Independence Day Parade.

July 21 - Super Week Bike Criterium.

July 30 - Holland Fest in Cedar Grove.

August 27 - Woodlake Market Brat Fry to benefit the club!

NEW BUSINESS

A motion was raised to discuss the subject of club dues increases due to the new pricing by the *Badger State Smoke Signals*. All members in attendance favored an increase of \$5. A second motion was raised and seconded to vote upon a \$5.00 dues increase and passed by unanimous decision. Dues are due during the month of June. Membership dues are as follows: Student and newly licensed, \$10.00, Single individual, \$20.00, Family, \$30.00.

Art Pahr, K9XJ, brought forward the plans of Valley View Medical Center and Sheboygan Memorial to sponsor a Health Fair in September. A walk, run, ride is planned between Sheboygan and Plymouth which would benefit by the support of the club at various check points along the way. Please contact one of the new officers if you are interested in providing 2 meter support.

Niel, N9TBQ, was presented the coveted FLAT TUBE AWARD for his voluntary representation to the radio club at the Computer Fair at Mead Public Library. Congratulations Niel!

The May meeting program was on weather tracking software presented by Al, NF9R.

Submitted by:
Gregg Meschler, N9PZV

WATTS SNOO

AMATEUR RADIO
CWRA

WB9QFW 2-Meter Repeater 146.07.67 and Club Station

P. O. Box 923 • Plover, WI 54467

MEETING MINUTES MAY 11, 1994

President Art Wysocki, N9BCA, called us to order at 7:30 p.m. Treasurer Scott Jasper, NE9U, reported the financial health of the club was good. Secretary Joe Larson, N9JW, reported a relatively slow month for mail, except for a notice of the Rhinelander swapfest, a rise in *Badger State Smoke Signals* rates for 1995, and some swapfest prizes from *Worldradio*.

Dave Olson, N9JQU, ran down the preparations for the Wisconsin Special Olympics state summer games. They will be in Stevens Point on June 9-11, 1994. We will once again be involved in providing communications and aiding in the public safety. This is always a great experience as well, so if you are interested contact Dave or Joe Larson or Joe Mangal, KA9TTU, for more information, or to let us know when you can be there to help.

Al Mallek, K9WVM, volunteered to coordinate a fresh order of CWRA polo shirts and lined jackets, for those who missed out on the last order, or who have grown out of their old shirts. Let him know what you want, sizes, etc. We suggested he should go ask vendors about this while in uniform, for a friendlier response.

Art, N9BCA, reported on the state of the swapfest, and it was good. He attended the Manitowoc swapfest May 7, enjoyed it, and heard lots of good comments about ours. Thinking about the future, however: If anyone locates a facility that might let us in the night before to set up, and doesn't cost hundreds of dollars, bring this fact to Art's attention. That is, unless you all enjoy showing up at 0600 on Sunday, June 12 to help the dealers set up. And you all will be there, correct? Sure, Art, we'll be there.

More volunteers will be appointed as necessary to help Mary Eiden, KA9FAS, sell tickets at the door. Lori Jasper, KA9ZGD, gave us a pep talk on the raffle tickets. Our youngest member, Jeremiah Maller, N9WBU, sold 30 tickets outside the Copps grocery store one afternoon. Jeremiah earned an ovation for his good work, and our thanks.

Loren Larson, N9SEA, led the Field Day discussion. We still have two sites to choose from. The "pavilion" site across from the club station would be more heavily traveled and would offer more exposure to the public, but the "parking lot" site near the Schmeckle Reserve Visitor Center would offer more room to spread out and, as was pointed out, even the "parking lot" site did get lots of visitors last year. Especially at 2:00 a.m., for some odd reason. We decided to leave it to our Field Day chairman to make this executive level decision and let us know about it at the next meeting. And Loren, if anybody complains about it, you have permission to whack him or her with the

dreaded *WOUFF HONG*. Field Day, of course, will be the weekend of June 25-26. That is also the date for the blessed uniting of Al Mallek, K9WVM, with his new bride. Best Field Day wishes to Al and his soon-to-be wife.

Repeaters: we are still getting occasional interference from something that sounds like the same paging system that was giving central Wisconsin repeaters the fits a few years ago. If you hear any business names or telephone numbers mentioned, write them down and let Mike Pagel, KA9LAQ, know about it.

N9BCA obtained locks for the club station cabinets. We will be moving the club equipment down there. In the process, we will ask Ron Howe, NJ9H, one of the club's Equipment Engineers, to look everything over and decide what we really don't need any more. That equipment will be offered to the club membership, and any leftovers will be sold at the swapfest for a price to be determined by Ron.

The June and July meetings of the CWRA will be in room D228 of the Science Building. That's over in the air conditioned wing, by the way.

ATTENDANCE

Joe Larson	N9JW
Frank Guth	W9BCC
Raymond J. Dix, Jr.	KF9BG
Adriana S. R. Dix	KB9DUR
Loren Larson	N9SEA
Scott Jasper	NE9U
Arielle Jasper	
Alex Jasper	KA9ZGD
Lori Jasper	N9OVT
Dave Golla	KA9ACE
Jim Benak	WD9JID
Mike Eiden	KE9MA
Gene Kroll	N9EIL
Deb Kroll	KA9FAS
Mary Eiden	WA9LWJ
John Feltz	N9JQR
Frank Podach	N9WBS
Al Mallek	K9WVM
Al Mallek	W9NN
Bob Baird	KA9LAQ
Mike Pagel	N9WBU
Jeremiah Maller	WD9ESX
Gary Maluka	N9BCA
Art Wysocki	N9JQU
Dave Olson	

(By the way, for those reading this list and wondering: Al Mallek, N9WBS, and Al Mallek, K9WVM, are second cousins, as we determined. They are *not* the same person, although Al does get confused once in a while.)

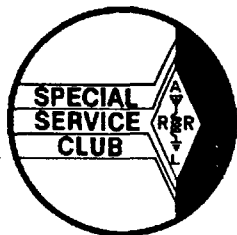
(BSSS editor's query: Is this anything like Larry, Daryl and Daryl, minus Larry, on the old Newhart TV show?)

Respectfully submitted:
Joe Larson N9JW
CWRA Club Secretary

Mancorad Radio Club

Eric Rugowski, WD9IAB, Secretary

P.O. Box 204 • Manitowoc, WI
54221-0204



MANCORAD MEETING MINUTES MAY 11, 1994

The meeting was called to order by Club President Steve, N9PBL, at 7:30 p.m. The minutes for the April meeting were approved as printed in *Smoke Signals*. The treasury report was also approved as read by Club Treasurer Janice, N9IQZ.

OLD BUSINESS

This year's MANCORAD Hamfest was held at the Manitowoc County Expo on Saturday, May 7. According to Treasurer (and Hamfest official) Janice, attendance was down compared to last year's hamfest. This was mainly due to the scheduling conflict with Cedarburg's hamfest (which was held on the same day as ours). In spite of this, it was still a successful hamfest, due in large part, to the raffle ticket sales for the HT, the Comet antenna, and other raffle items. Discussions were held by meeting attendees about what to give away as raffle prizes for next year's hamfest.

The 1995 hamfest has been tentatively scheduled for May 13, barring any scheduling conflicts with other hamfests. Many thanks to all club members who volunteered their time and energy, to help make the hamfest a success. Also, thanks to all of the vendors, and club members: Ken Tate (who sold \$83 worth of items at the club table); Chuck Scholten (who donated a *ARRL Handbook* and an electronic compass); Clancy Meneau (who donated a

photo mug) and Ron Scheaden (who donated a CD clock) for donating door and raffle prize items.

The club donated its antique RTTY machine in John Meyer's (NZ9Z) name to the Manitowoc Maritime Museum.

The club's presentation about Amateur Radio to the Manitowoc County Fire Fighter's Association has been postponed until fall, due to scheduling conflicts.

Also, the orange vests that the club ordered for hamfest use have arrived. Ways of putting club identification on these vests, are being examined. Carl, KA9ZTF, suggested that the club look into using embroidered patches on these vests, and these patches also be made available to club members in general. President Steve, N9PBL, will look into this matter.

NEW BUSINESS

Ken Wichihowski, WD9ERO, was approved for club membership by a vote of club members. Welcome aboard Ken!

Steve, N9PBL, told club members that the housekeeping committee recommended purchasing a Cushcraft R7 vertical for Field Day, and special event radio operations. Yogi, WN9Q, mentioned that he might have a line on a used one. A motion was made by Red, N9GHE, and Len, N9QFO, to release funds to purchase this antenna. The club voted to release these funds.

Yogi, WN9Q, informed club members that club member Ken Tate was going to

Continued on page 16

To Our Participating Clubs

- We still have not changed to mailing BSSS by second class mail. There are many reasons, including a re-write of K9EN's mailing label software (and he does write his own). The second class rate varies depending on the distance the mailing piece has to travel, while the currently-used third class rate doesn't matter. Of course, with third class, it also doesn't matter when the Postal Service decides to deliver your copy, either, although there are some "anti-slow" delivery rules for even third class. We WILL be second class as soon as possible. It also involves a \$275.00 application fee and a full Postal Service audit of our books. I hope their favorite color is red. When we do change, you should notice an extreme improvement in delivery times (and dates, weeks, etc.).

- Participating clubs are reminded that we need your club's info (minutes, etc.) sent to K9ZZ NO LATER than five days after your meeting, and no later than seven days maximum. If you don't send it, we can't print it.

- To help get material to us, a local radio amateur and landline BBS SYSOP is configuring a private conference on his board. You'll then be able to dial his landline board and send your minutes and stories with your modem, and at your leisure, too! We'll tell you what to do in our next issue.

- If you have material for the "What's Happening" section, please read the heading. It says K9EN edits that section, and he does. Please don't send material for Ken to me. The risk is very high, if you do that, that it will be lost or forgotten. Your cooperation is much appreciated. Like the Vulcans, "We come to serve." Help us do it right.

Northern Wisconsin Radio Club

- Since 1923 -



Steve Hart, KA9OMC, Secretary

Route 1, Box 54 • Knapp, WI 54749



Greetings, NWRC members and guests.

The last meeting of NWRC was held in Memononie on April 26. Balance of the account was \$416.77

CLUB BUSINESS

The club has decided to try a one-day Field Day effort on June 25 at one of the parks in Boyceville. Both parks are located on Highway 79. Field Day starts at 1 p.m. Bring what you need to operate. The club will provide some refreshments. Please consider bringing some items to pass to make a picnic event. The official announcement will appear in the *Tribune Press Reporter*.

Skywarn patches or decals are now available through the club at the following rates: Decals, \$2.50; Patches, \$3.50. Please include additional to include mailing if you cannot pick them up from the club secretary.

Discussion continued about club patches. It was decided that KF9CU (Arlene) and I (KA9OMC) will arrange for the traditional club "Wisconsin" badge emblem with NWRC and your name and call engraved. Prices and arrangements will be announced here.

New dues schedule for those subscribers to *Smoke Signals* was ironed out. Effective now to all club renewals plus BSSS will be \$12.50. Basic club dues remain at \$5.

NX9F, Jim, presented a map showing all tornado activity spotted since 1952.

KA9PVY, Ken, mentioned that he would invite the Eau Claire club to participate in Field Day with NWRC. I (KA9OMC) demonstrated a homebrew in-line coaxial filter.

Club rosters have been mailed out to the members. Please add N9LIE, Walt Lang at Sheldon, WI. Correct KF9DU, Jon Fuller's address to be Menomonie.

Since the meeting, the Menomonie Optimists have recognized the NWRC for many years of public service activity surrounding the local "TinMan" event. The Menomonie youth group awarded a \$100 donation to help offset expenses. Many thanks to the over twenty amateurs each year who participate and to the amateurs in Optimists who made this possible.

LOCAL AMATEUR NEWS

The annual "Celebrate Ham Radio Day" with WJ9Y, Marlin Hostvet, was held on May 21 near Forest, WI. Amateurs attended from many areas. Much fun was had by all.

NWRC member KE9RW, Steven Kraft, will plan on working at the University at St. Peter for the summer.

Local amateur N9GQU, Mike Ley, will be home for the summer in Menomonie after attending his first college year in Indiana. See Mike at the Red Cedar Speedway concessions.

NWRC Secretary/Treasurer
Steve Hart, KA9OMC

Taylor County Area Amateur Radio Club

Mike Schoenfuss, N9GHZ, Secretary

P. O. Box 401 • Abbotsford, WI 54405-0401

MEETING ANNOUNCEMENT

The next regular meeting will be held on Thursday, June 2nd at 7 p.m. in the Emergency Government meeting room located in the basement of the sheriff's annex to the Taylor County Courthouse, corner of 2nd and Ogden Sts., Medford, WI. Talk-in on the 147.15 Medford repeater (+600 kHz).

EXCERPTS FROM MINUTES OF MAY 5, 1994 MEETING

Meeting was called to order by President N9GEN. Present were N9GEN, KB9BLV, KA9WDX, WA9YCT and N9UBR.

The minutes of the April 7, 1994 meeting were not available in the absence of Secretary N9GHZ. Treasurer's report was presented by WA9YCT.

An update was presented on the upcoming club-sponsored VE exam session on May 14th in Medford. No pre-registrations have been received as of this date.

A status report on the 147.15 repeater was presented. Those present seemed to be in agreement that the repeater has been working better since N9GHZ readjusted the noise control (squell) setting on the repeater's controller.

The sale of the old repeater hardware was discussed. KB9BLV indicated he has received several inquiries but no firm offers as of yet. An inquiry from a group of Clark County hams was discussed. They are looking at forming a club in the near future and indicated a possible interest in purchasing the repeater hardware, depending on the price. The consensus of those present was to offer it to them for \$50.00 contingent on their having formed a club, and to NOT simply sell it to a group of individuals.

Meeting was adjourned.

CONGRATULATIONS TO...

★Jim Kline, KA9GCW, Ogema, who recently upgraded to Advanced Class.

★Cliff Steevens, WA9YCT, Medford,

who upgraded from Advanced to Extra Class at the VE exam session held in Medford on 5/14/94.

★Steve Dunn, Medford, who earned a codeless Technician Class license at the VE exam session held in Medford on 5/14/94.

OTHER NEWS

For those who did not already know it, Taylor County Assistant Emergency Government Coordinator Don Albers, Medford, is home and recovering nicely following a cardiac arrest back in April.

CLARK/TAYLOR COUNTY AMATEUR RADIO EMERGENCY SERVICE (ARES) NEWS

Mike Schoenfuss, N9GHZ,
ARES Emergency Coordinator

Don't forget to try to check into the weekly ARES net held Wednesdays at 8:30 p.m. on the Medford repeater (147.75/147.15). If the repeater is down or not functioning properly, alternate frequency is 147.15 MHz simplex. You're also encouraged to volunteer for net control duty for the net.

The date for this year's St. Jude Bike-A-Thon in Medford is Saturday, May 21st. Once again, we are being asked to provide Amateur Radio communications for this event. Please keep your calendars open for this date. Contact N9GHZ or N9FZD if you can be available to assist.

A request has been received to provide Amateur Radio communications for the American Cancer Society's "making Strides Against Cancer Move-Along-A-Thon" to be held in Medford on Saturday, June 11th. The start and finish point in the intersection of Park Ave. and Allman St. in Medford. The turnaround point is at the end of Industrial Drive off of Whelen St. More details to follow later. Please keep your calendars open for this date. Contact N9GHZ if you can be available to assist.

On a field day related note, Steve, N9PBL, will look into purchasing a generator for club use.

Club members who are interested in Packet radio are asked to give any input for ways to upgrade the club's packet capabilities.

The meeting was adjourned.

On a final note, if you are unable to attend the June meeting, please send in your absentee ballots for constitution changes to MANCORAD, P.O. Box 204, Manitowoc, WI 54221-0204. We need as many ballots as possible, in order to make changes to the club's constitution.

73, catch you on the bands!

Eric Rugowski, WD9IAB

MEETING ATTENDEES MAY 11, 1994

Charlie	W9GXD
Chuck	W9BZU
Ken	K9HAG
Gene	N9UGA
Carl	KA9ZTF
Red	N9GHE
Dan	KA9EAZ
Charles	N9WUN
Lyle	WB9VTM
Yogi	WN9Q
Jim	N9KKG
Ron	WS9X
Janice	N9IQZ
Len	N9QFO
Dick	N9QFY
John	WB9ESM
Tom	KB9IJR
John	NZ9Z
Bill	K9DUX
Paul	N9QFX
Mike	N9UFZ
Mary	KB9GOY
Steve	N9PBL

Some Wisconsin 1993 Field Day Facts

By Gary C. Sutcliffe, W9XT

3310 Bonnie Lane
Slinger, WI 53086

What is the most popular single event or activity in the Ham Radio calendar? Most hams would tell you it is the ARRL Field Day. Part of its appeal is that it is different things to different people.

Sponsored by the American Radio Relay League, Field Day is officially an "exercise in emergency preparedness." To some it is a contest, to others it's a camping trip or picnic with radios. It is an excellent way to introduce the public to our hobby, and that is the primary aim of many groups. It is the main club social activity for some groups, and in fact, some clubs are formed for the singular purpose of operating Field Day.

The results of the 1993 FD were published in the November 1993 QST. A total of 42 entries were sent to the ARRL from the Dairy State. These entries were from clubs, non-club groups, and individuals operating in 13 different categories. In total, 605 hams in Wisconsin were reported part of the 1993 Field Day.

The group with the highest score was the Kettle Moraine Radio Amateurs, N9KS, in the 4A class with a score of 12,141 points. The next highest score was submitted by N9AW and the W/K ARC of Greater Milwaukee in 2A with 7246. These two clubs also had the highest number of QSOs, with 3686 and 2155 respectively.

The largest group in terms of members attending was the Rock River Radio Club (W9TCH), with 70 members reported present. The runner up, with 40 members, was the Kettle Moraine Radio Amateurs. The largest group by number of transmitters active was a tie between the Four Lakes ARC, W9JZ, and the Beloit ARC, W9JSN, both in the 6A category.

Which club had the greatest efficiency as measured by QSOs/operator? Of the groups with more than 1 operator, the overall winner was by N9AU and his PBR Please group. Ron and 3 of his buddies were in the 1A category, and had 1165 QSOs for a 291.3 QSO/operator ratio.

W9UP and the Riverland ARC did best on a QSOs/transmitter, with 1365 QSOs in their 1A category.

In total, Wisconsin hams made a total of 28,980 QSOs, and 102,993 points in Field Day. This averages out to 47.9 QSOs each.

Were you one of the 605 on the air on Field Day? If not you missed out on a lot of fun. Make sure you are #606 in 1994!

ManCoRad Radio Club

Continued from page 15

be a part of the DX-pedition to St. Paul Island. This is a relatively remote (and inaccessible) island off the coast of Newfoundland, that belongs to France. Yogi will keep the club informed about any further development dealing with this operation.

Club Treasurer Janice, N9IQZ, suggested that the club use funds to buy additional Amateur Radio books from other publishers besides the ARRL. Many of these non-ARRL books contain information on subjects that the ARRL has no books available for. These books would reside in the club's library. Janice and Ron, WS9X, said that they would look into books about interesting ham radio topics.

Club President Steve, N9PBL, informed club members that the week of June 17 is National Amateur Radio Week. The club will possibly do something (such as a club group photo) as a promotion of Amateur Radio.

On a human interest note - Carl, KA9-ZTF, informed club members that a former MANCORAD member who now lives in California, John Jonson, N9DWL, called Carl to say that he was recently upgraded to Advanced, and to say hello to all MANCORAD members.

Yogi, WN9Q, informed club members that Field Day will be on the weekend of June 25 and 26 this year. Once again, the club will operate from Silver Creek Park. If any club members are interested in contributing tents, rigs, antennas, tuners, etc., please contact Yogi, WN9Q, or Steve, N9PBL. More discussion will take place at next month's meeting.



Washington County Amateur Radio Club

David Parkinson, KA9RNU,
Secretary/Treasurer
708 Robin Street
West Bend, WI 53095



MEETING MINUTES

The May 12th meeting of the Washington County Amateur Radio Club was called to order at 7:36 p.m. by our president, Mike, N9NBN. The minutes were read by Dave, KA9RNU. A motion was made Gary, W9XT, and seconded by Tom, N9LZW. The minutes were then approved as read.

We had 15 members present and 1 new member. Our new member was Steven Reinke, who just passed the Technician requirements and waiting for his call in the mail.

The treasurer's report was read by Dave, KA9RNU. Bob, AA9EF, motioned the approval of the treasurer's report and Mark, N9UGH, seconded. The motion to approve the treasurer's report was sustained.

OLD BUSINESS

Walt, N9LLS, reported on Field Day. We have most of the equipment lined up. We need an HF rig. N9NBN asked if anyone could lend out any dipoles. Mauri, W9MQD, volunteered a 40/80 meter dipole. Paul, N9KIK, would check on his 15M antenna. N9NBN also requested for a laptop computer or word processor which would be run on battery power for the packet station. He also requested operators on June 25-26 and to plan on a cook-out.

Tom, N9LZW, summarized the ARES meeting of March 1st in which Sherm, W9NGT also attended. The topics discussed that ARES is the sole amateur organization the Weather Service works. The Weather Service will be interrogating more regularly spotter stations to correlate with radar indications because of the new Doppler radar. The forecasters may question the spotter directly, and yes and no answers are preferred. (We should be as brief as possible). All hail should be reported, using linear measurements or comparisons with monetary coins if a ruler

is not available (i.e. dime size).

NEW BUSINESS

Dave, KA9RNU, reported to the club members the cost of the *Smoke Signals* subscription will increase to \$8.40 starting January 1995.

A letter from Doug, N9PCG, the president of the West Bend High School Amateur Radio Society was passed around to the members to read about the appreciation from their club of receiving the *Smoke Signals* from us.

Larry, WB9BVB, announced from the floor to have the club picnic on Aug. 14th and the rain date on Aug. 21st at Sandy Knoll Park.

Mike, N9NBN, announced next meeting we'll have a video of last year's Field Day, and we'll also have a demonstration on good operating procedures from Gary, W9XT.

Paul, N9KIK, made a motion to close the meeting, Kevin, N9LTH, seconded it and the motion was carried.

The program was the home brew project contest. The entries were Brian (N9OFD) with a computer/HF rig interface, Gary (W9XT) with a spectrum analyzer, Joel (K9MLD) with a remote motorized 75/40M mobile tuner, and Dave (KA9RNU) with an 80M antenna. The winner was Joel (K9MLD) and the drawing for an ARRL manual was won by W9XT. Gary (W9XT) elected to place the manual up for auction and the funds go toward the club.

Saturday Breakfast Schedule (at 10:00 a.m.):

June 11th: Corfu Restaurant, Richfield, 10:00 a.m.

June 18th: Round the Clock, West Bend, 10:00am

June 25th: Slinger Inn, Slinger, 7:00 a.m. □

Home Brew Night at WCARC

By Gary C. Sutcliffe, W9XT
3310 Bonnie Lane
Slinger, WI 53086

Are you looking for an interesting program for a club meeting? One of the most popular at the Washington County Amateur Radio Club is our annual Home Brew night held at the May meeting. It is the night that members bring in their home brew projects for a little Show and Tell.

The rules are simple. First, the project must be Ham Radio related. Second, the project must have been completed in the past year. There are two categories, one for Novice and Techs, the other for General Class and above licensees. Club members vote on the best project in each class.

This year, there were four entries. Unfortunately, none were from the Novice-Tech group.

First up was Joel Eschmann, K9MLD. Joel's project could not be brought in, so we went out to the parking lot to take a look before it got too dark. Joel enjoys mobile HF operation. Mobile antennas for 75 and 40 meter have extremely narrow bandwidths. K9MLD solved this problem by building a remote tuning unit that can be controlled from the front seat. The tuner is located in a side compartment in the back of his station wagon.

The heart of the unit is based on a surplus motor-driven antenna tuner built by Collins for use in tanks. Joel explained that it has both an inductor and a capacitor. Each can be tuned remotely. He has an SWR bridge up in the front of the car, and can control the motors from there. With his tuner, Joel can operate the whole 75 and 40 meter phone bands without leaving the driver's seat to adjust the antenna.

The next project was a computer-radio interface by Brian Woelz, N9OFD. The interface is based on a design in that appeared in *QST* a few ago. With

this interface, Brian can control his Kenwood TS-850 through his PC. There are a number of contest and other computer programs that support radio control. Brian said that by scrounging parts he was able to build his project for about \$5. A commercial equivalent costs about \$100.

The next project was by Gary Sutcliffe, W9XT. This project was an adapter that turns an oscilloscope into a spectrum analyzer. The heart of the unit is a tuner from a TV. It covers the frequency range of about 5 MHz to 500 MHz.

During the demonstration, we found how good an RF shield the Washington County Court House is. When it was hooked up and turned on, there were no signals to be seen! Fortunately, several members had their HTs along to provide some signals so that the demonstration could continue!

The final project was a restricted-space antenna for 80 meters by Dave Parkinson, KA9RNU. Dave built his own clone of the ISOTRON antenna. The entire antenna is a square made of sheet aluminum and plexiglass about 1 1/2 foot on a side. Inside it is a coil and capacitor. Dave explained he ran out of time to finish it, but wanted to bring it in to show what he was working on.

The voting was next. The club voted K9MLD's mobile antenna tuner this year's most popular project. For his prize, Joel won a year's membership in the WCARC, including a subscription to the *Badger State Smoke Signals*. Congratulations on a FB project Joel!

Home brewing is an art as old as Amateur Radio. Unfortunately, it is a dying art as more and more stations are built entirely of commercial equipment.

Why not consider having a Home Brew Night at your club sometime in the next year? Besides giving your members a reason to heat up their soldering irons you get a very interesting club program out of it!



Riverland Amateur Radio Club

Judy Williams, N9LGV
Secretary

Club mail address: P.O. Box 621
Onalaska, WI 54650



MEETING MINUTES MAY 3, 1994

The May meeting of the Riverland Amateur Radio Club was called to order by President Feroz, WU9N, at 7 p.m. There were 26 members present.

Feroz asked the members to observe a moment of silence for Silent Key Ellsworth Dissmore, W9DOE.

Secretary's Report: Judy, N9LGV, read the report of the April meeting. The secretary's report was approved as corrected. The correct date of the Swapfest will be August 27, 1994.

Treasurer's Report: Mark, N9UNW, gave the report. There are 85 paid club memberships. A motion to accept the report was made by Karl, KB9EQI, and seconded by Dan, N9PZC.

OLD BUSINESS AND COMMITTEE REPORTS

Swapfest: Clarence, N9NXW, had nothing new to report. He has gotten some publicity, and is in contact with the Antique Radio Club to be involved like last year.

.97 Repeater: Walt, AA9AW, was absent due to illness. Dan, N9PZC, updated the club on the progress of getting parts/supplies and when things will be

happening. 1000 feet of 70Ω hardline has been donated by Dick, W9DMH. The committee will be testing the feedline for two meters and for 440 to be sure it will do the job which needs to be done.

The old antenna mounts and parts from the old antenna installation may be reused.

There was more discussion on whether or not two antennas should be used with the new installation. Two antennas would allow the repeater to continue to function if there was a failure of one and would avoid galvanic reaction.

A firm date for the change to happen has not been established. The .97 repeater will be off the air for a time. A number of individuals did offer suggestions to the Repeater Committee. Additional suggestions can be directed to the committee.

When the .97 repeater is down, the .76 repeater, K9CUT, will be the main repeater in use. Dick, K0JYB, made a motion to offer a donation of \$100 to Bruce, (.76) repeater owner, for allowing the club to use the repeater. Second by Rick, KV9U. Motion carried.

440 Repeater: Dan, N9PZC, said they are still selling caps, mugs, and "T" shirts. Past orders should be here for the June meeting. The committee would like to use the .97 site. Will be checking on insurance coverage and how crowded the .97 site is getting. They still need to raise additional

money.

Trailer: Bob, N9LZK, has picked up some parts for making some of the repairs.

Tower: George, KE9PL, has had the tower moved to Greg's (KA9FOZ), where the repairs will be made.

Membership: Kent, W9LZQ, had nothing new to report.

P.R.: Dick, K0JYB, had nothing new to report.

Skywarn Training: Kent, W9LZQ, reported that there will be another Skywarn training being offered through the Rochester/Winona, MN groups at 7 p.m. in La Crescent, MN Comm Building. Kent also reminded the Skywarn people that the .76 repeater will be used when the .97 repeater is down during the move.

ARES: Will be getting more involved with the American Red Cross.

A motion was made and seconded to extend the meeting. Motion passed.

Club Picnic: Feroz, WU9N, reminded folks about the club picnic, to be held on Field Day at the hilltop site. Bring meat to grill and a dish to pass. Arby, WF9T, will look into a nearby shelter for inclement weather.

Joint Picnic: The Riverland and Winona clubs will be holding their joint picnic on Saturday, August 20 at Perrot State Park. Bring meat to grill and a dish to pass.

Swapfest of the Future: Dick, K0JYB, had gathered info on the cost of the Omni Center in Onalaska as an alternative site for a swap meet in '95. There is a rental fee, percent of gate fee, table rental fee, and cost for catering. We will think about it.

Survey: Scott, N9RWJ, asked club members to complete a survey being conducted by a new ham who is also a UW-L student, John, N9ULZ.

Program Quickie: Feroz, WU9N, shared an idea he came across at the Day-

ton Hamvention using BNC connectors. Two connectors were used on a handie-talkie and rubber duck to allow for more versatility and safety.

Adjournment: A motion to adjourn the meeting was made and seconded. Motion carried.

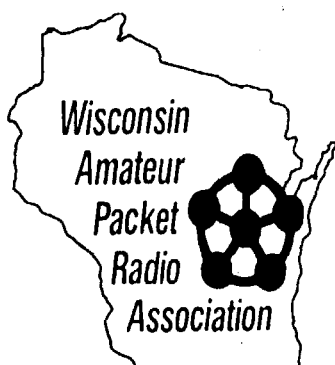
Program: Eric Shore, president of La Crosse Computer and Supplies, talked about the difference between low end and non-low end computers. We had a chance to look at a Pentium computer.

Judy Williams, N9LGV, Secretary

**When everyone
else is merrily
speeding along
on the
Information
Superhighway,
I'll still be
trying to find
the on-ramp.**

☺ ☺ ☺ ☺ ☺

An original truism from
Jim Romelfanger, K9ZZ
Editor, *Badger State
Smoke Signals*



THE WISCONSIN PACKETEER

Wisconsin Amateur Packet Radio Association (WAPR)

Ted Heilmann, N9LLT
921 8th Avenue • Grafton, WI 53024

Steve Loeffler, WB9ZRE, Editor, 123 W. Oshkosh St., Ripon, WI 54971

W.A.P.R. Meeting

The Annual Meeting of the Wisconsin Packet Radio Association will be held in Stevens Point at the CWRA Hamfest on June 12 at 10:30. The annual meeting elects the new officers for the following year.

There will be a NEW slate of OFFICERS to vote on. Bill Jablonske W9NNS and Joel Eschmann K9MLD have indicated their intention to NOT RUN for the new term.

If you are a member this would be a good time to think about who you would like to lead the effort next. There is much to be done, especially in the LaCrosse to Madison circuit, and a need to make plans to develop the 9600 backbone statewide.

As for myself, I want to say a great loud thanks to the people who helped push things forward like Joel K9MLD and Bob KA9EOK and some very special credits to John N9QWH of Ladysmith, Mike N9QVY of Conrath, and most especially to Dan WA7JUX of Exeland for his incredible hours of repair; to Jack KB9AMY of Ashland for the new node in Bayfield and to the people in the Sugar Camp, Rhinelander and Tomahawk are for the new nodes in Tomahawk, Sugar Camp, and Upper Michigan. Special commendations to Kent W9LZQ for years of tireless BBS service now captained by Walt AA9AW.

I know there are many more to thank and I regret that my memory fails as I write this bulletin. But....keep movin' on and up!

Bill Jablonske W9NNS 715-723-4088

WAPR INFORMATION

The following is an open letter of information for current members of (W)isconsin (A)mateur (P)acket (R)adio or for anyone interested in becoming a member of W.A.P.R.

Membership dues are \$15.00 for the membership period. Membership runs from July 1 thru June 30 each year. A subscription to Badger State Smoke Signals is included at this time and runs concurrently with your membership. Please note that dues are the same with or without Smoke Signals and all memberships expire on June 30th..

Be advised that the ANNUAL MEETING will be held at the CWRA Swapfest in STEVENS POINT on JUNE 12th. at 10:30 a.m. There will be several items on the agenda. One item at issue is the rate increase announced by Badger State Smoke Signals that goes into effect soon. Another duty at this meeting will be the ELECTION OF OFFICERS.

W9NNS (Bill Jablonske) and K9MLD (Joel Eschmann) have stated that they will NOT be running for another term. N9LLT (Ted Heilmann) will run for treasurer. This will be my last term, if elected, as treasurer. I will not run next year.

I encourage anyone and everyone who is interested in the future of the efforts of W.A.P.R. to attend.

Thanks, Ted Heilmann - WAPR Treasurer

MSYS COMMANDS from WD9ESU BBS

We are continuing with the MSYS commands. The March issue of BSSS contained a summary of the commands and the April issues contained the list, read and send commands. As space permits, we will include the other commands.

If you would like a complete list, they are on most BBS and can be downloaded. Or you can send BSSS (K9EN address on page 2) a self

addressed stamped envelope, and we will send you a copy of the MSYS commands.

Abort - This command stops the PBBS from what it is doing. For example, you have asked it to list all the messages. After about 300 messages you decide you have had enough! Issue the Abort command. It also works with reading messages, downloads, etc.

Bye - This disconnects you from the PBBS. It resets your statistics, too. If you just disconnect or go away without disconnecting, the PBBS will assume you ran into trouble and log the disconnect. For example, on Monday you check-in and read all the new messages. You then disconnect without using the Bye. Then, you check in on Tuesday. You issue an L (list since you were last on). Since the PBBS ignored your Monday connect, you will get the messages since you last checked in and the messages you read on Monday. Now, had you used Bye on Monday, your Tuesday check-in would have given you just the new messages.

Conference - The conference allows as many users as desired to connect with each other. The best way to understand it is to try it with a friend. The first time you talk, your line that is sent will be prefaced with your callsign, like this: NO8M: If the next line does not have a callsign in front of it, then it came from the same station. Inside the conference you can use the following commands (send a control-Z by pressing and holding the CONTROL key while tapping the Z. Release both.

~ZH - Help
~ZQ - To return to the PBBS
~ZU - List users and their channels
~ZA # - Ask user on channel # to join conference

Download - To download a file. You must enter the full name and directory that you obtained from the What command or from a list describing what is available that is sometimes available. To download a file in a subdirectory, use this: D subdirectory/filename. So, to download the file APPLICAT.INF in the NCARC directory,

you would issue the command "D NCARC/APPLICAT.INF".

Grep - This command searches a file for a given set of characters. First just enter a G. The board will ask for a filename. It is asking for something in the download section, that you get with the What command. It will then ask you for the string you want to find. Let's say you want to search

NCBYLAWS.DOC for the string "election":

G(ENTER)NCBYLAWS.DOC(ENTER)election(ENTER). The board will then send you all lines that have "election" in them. The command does not recognize wildcards (*/?). If you do not specify a file, the default of DATABASE.0 will be used.

Help - A short list of commands.

?x - A longer explanation of the command, use ?x where x is the name of the command. I would use the command ?L to get help on LIST.

Info - This gives information on the system's hardware.

ID - This gives you the callsigns, ports and other information connected.

Just heard - This gives information about stations that the PBBS has heard. If the call is a funny alias, the sponsor's call is given inside the curly brackets. If you want to connect to someone like that, don't use the sponsor's call, use the alias. Use the Path command to determine how stations were connected to the PBBS. You can also limit the output with a channel number, like this: JK 0 ... this lists all KA nodes heard on port 0.

JB - BBSs
JD - Digipeaters
JG - Gateways
JK - KA nodes
JM - Other MSYS PBBSs
JN - NET/ROM nodes
JT - TCP/IP protocol stations

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Yellow Thunder Amateur Radio Club

WB9FDZ (Original Club Call) • K9ODK (Robert L. Prine Memorial Call)



Raymond J. Matlosz, N9MLZ, Secretary

450 West 2nd Street • Reedsburg, WI 53959



The May 18, 1994 meeting of the Yellow Thunder Amateur Radio Club, Inc., was called to order at 9:05 p.m. by club Vice President, Bill Klinkner, N9KXX.

The minutes of the last meeting, as published in the BSSS, were accepted. Jim Decker, WN9UQT, gave the financial report.

OLD BUSINESS: Eight club members participated at the Circus Heritage Days event held in Baraboo, Saturday, May 14th. Steve Schulze, N9UDO, volunteered to be the contact person for the club for next year for this event. Pete Sweeney, WD9JIB, represented the club at the Spring Hill school in Wisconsin Dells, Saturday, April 30th. Art Kleefisch will contact the staff at the Baraboo Civic Center regarding the room rental for the remainder of the year.

NEW BUSINESS: Field Day will be the weekend of June 25-26 in Owen Park. Art Kleefisch as asked to inquire of a neighbor about the use of a generator for Field Day. Members discussed plans for the club's twenty-fifth anniversary which will be the Fall. It was decided to recognize the anniversary at the club's Christmas party in December. The club's secretary will work with Art Kleefisch on gathering/organizing some of the club's history that has been recorded/accumulated over the years. Mark Snyder, KF9RG suggested the club's activities be recorded by a photographer. Club members also discussed a flag or banner that can be used at public events. It was announced that Rick Wegner, N9MML, recently passed his Amateur Extra exam. Buck Night was won by Ken Johnson, K9DZG, who was not present.

The evening's meeting was preceded by a fox hunt. Steve Schulze, N9UDO, organized the hunt and was the gray fox. Mark Snyder, KF9RG, was the red fox. These foxes were found by KA9HKL (Duane Grotophorst) first, N9KXX (Bill Klinkner) second and N9LKY (Jim Paul) third. The third fox was not found by anyone.

The meeting adjourned at 9:33 p.m.

The next meeting will be held Thursday, June 16, 1994 at the 7:30 p.m. in room 24 at the

Baraboo Civic Center. The program following the business meeting will be on Field Day and HF contesting.

Sincerely,
Raymond J. Matlosz, N9MLZ
Secretary

The following members and guests were present:

Steve Schulze	N9UDO	Baraboo
Jim Romelfanger	K9ZZ	Baraboo
Jim Paul	N9LKY	Merrimac
Art Kleefisch	W9WSS	Baraboo
Jim Decker	WB9UQT	Baraboo
Harry Mayland	K9FFT	Baraboo
Allan Johnson	AA7CS	Reedsburg
Dave Grant	N9VHS	Baraboo
Duane Grotophorst	WA9HKL	Loganville
Thomas Harrison	N9PQJ	Reedsburg
Mark Snyder	KF9RG	North Freedom
Dona Snyder	N9UUY	North Freedom
Kailey/Allison/Leah Snyder		North Freedom
Bill Clasen		Sauk City
Bill Klinkner	N9KXX	Sauk City
Anne Klinkner	N9PQL	Sauk City
Raymond Matlosz	N9MLZ	Reedsburg

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Passenger: Stewardess, what time does the plane get to Vancouver?

Stewardess: I don't know, Sir; we've never made it all the way before?

Hank: Which is correct; the hen is setting, or, the hen is sitting?

Bert: Doesn't matter; Whats important is, is she laying or lying!

Ron: I'm so broke that if someone was to mug me, all they'd get is practice!

Alice: I've been seeing spots in front of my eyes lately.

Ruth: Have you seen an optometrist?

Alice: Nope, just spots!

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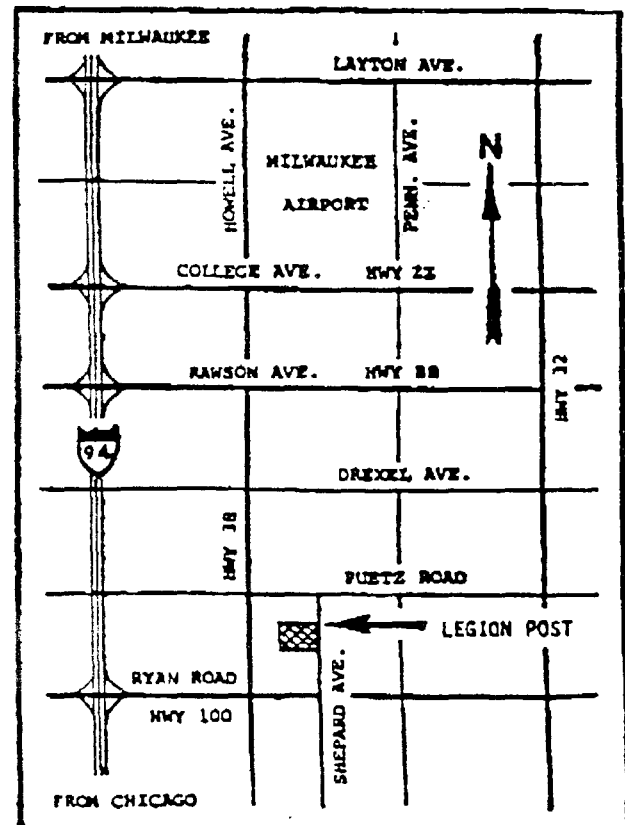
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Appleton, WI 54915
414-739-5101

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Larry Siebers, KD9IA
414-788-3823

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AUCTION

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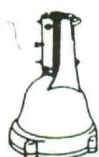
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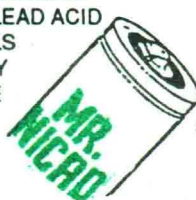
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